A I
ACADEMIC
INNOVATION

ANNUAL REPORT
2020 - 2021

ACADEMIC INNOVATION

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Letter from the Associate Vice President

A Culture of Innovation in Teaching & Learning

Dear friends of AI,

This has been a remarkable year in so many ways including an ongoing global pandemic, racial reconning, political schism, and seismic changes in the way we live and work. Despite all of these changes (and sometimes because of these changes), the Office of Academic Innovation (AI) has continued to infuse teaching and learning with creativity, innovation, and discovery due to the resiliency of the AI team members and of the community that we serve. I welcome you to our 2020-2021 Annual Report. In the following pages you will see AI's impact on teaching and learning. AI curates opportunities for experiential learning for the Cal Poly Pomona community through the Center for Community Engagement (CCE), Kellogg Honors College (KHC), Student Innovation Idea Labs (SIIL), Office of Undergraduate Research (OUR), CPP NSF I-Corps Program, and the Learn Through Discovery (LTD) initiative which aims to operationalize our learn-by-doing philosophy by providing at least one signature polytechnic experience (PolyX) to every Cal Poly Pomona student and helping them to articulate it. Our continued impact would not have been possible without your support. We thank all the faculty, students, staff, and external partners who have collaborated with us to ensure another successful year for AI.

As with the rest of CPP, AI pivoted to remote work in the spring of 2020. We continued serving the Cal Poly Pomona community remotely this academic year which has seen many firsts. This year saw the launch of the PolyX Hub, an interactive website for the Cal Poly Pomona community to identify and participate in PolyX. This year saw our first Saddle up for Service, a virtual alternative spring break offered by the CCE in collaboration with the International Center. The OUR hosted the CSU System Student Research Competition with 680 attendees. The KHC held its inaugural Showcase for Excellence for transfer students with over 100 participants. The SIIL collaborated with the CCE to host Innovation Weekend. As you can see, AI has been busy!

In addition to many firsts, we continued to provide some of our signature experiences remotely. We offered LTD Faculty and Staff Institutes, I-Corps short courses, and a brand new pop-up course on COVID-19. I welcome you to browse through these pages to see our impact on the success of our students, faculty, staff, and external partners.

We thank you for your continued support!

Olukemi Sawyerr

Olukemi Sawyerr, Ph.D. | AVP Academic Innovation

Staff & Faculty

Olukemi Sawyerr, Ph.D.
Associate Vice President

Winny Dong, Ph.D.
Faculty Director, LTD Initiative

Ericka Olguin
Analyst

Micayla Anderson
Communications Specialist

Cynthia Aguilar
Web Developer

Sinan Cakir
Student Assistant

Judy Nguyen
Student Assistant

Viola Wu
Student Assistant

AI ACADEMIC INNOVATION

Mission

The Office of Academic Innovation (AI) cultivates student success by fostering a culture of innovation in teaching and experiential learning; advancing and promoting a vision of innovative education; and collaborating with faculty, staff, and students to cultivate innovative curricular and co-curricular strategies aimed at nurturing life-long learning in the Cal Poly Pomona community.

Vision

By the year 2025 the office of Academic Innovation (AI) at Cal Poly Pomona will be the catalyst for developing innovative and transformative educational experiences that prepare students for the future of work and human and civic engagement.

ACADEMIC INNOVATION

1

Institutionalize the Learn Through Discovery (LTD) Initiative which aims to provide EVERY Cal Poly Pomona student at least one signature polytechnic experience (PolyX) and enable them to articulate that experience.

- Create Awareness / Structure for LTD
- Develop PolyX Inventory & A PolyX Badging System
- Create PolyX Pathways for Students
- Provide Professional Development for Faculty / Staff
- Expand the LTD Projects Hatchery
- Develop Robust AI Marketing Plan

2

Provide strategic leadership, oversight and guideance to CCE, KHC, SIIL, OUR, and CPP NSF I-Corps Site Program; support the formulation and implementation of CCE, KHC, SIIL, OUR, and CPP NSF I-Corps Site Program's strategic goals / priorities as well as their program evaluation and assessment plans; and build a strong, high functioning, highly collaborative team culture across all AI units.
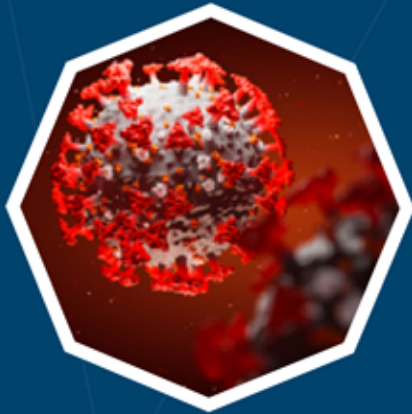
- Hold bi-Annual Reviews of Strategic Goals
- Hold bi-Annual AI Retreats and Team Building
- Conduct annual Reviews of Program / Assessment
- Provide Professional Development for AI Team
- Create Data-Driven Decision Culture
- Create Collaborative Culture

3

Create infrustructure to support faculty in developing and launching innovative curricular.

- Collaborate to Create Innovative Curricula
- Support Faculty / Staff to Obtain Funding

AI STRATEGIC INITIATIVES

COVID-19: Biological, Psychological and Philosophical Perspectives (CPU 2990)

Academic Innovation's second pop-up course, CPU 2990, focused on COVID-19 from three diverse disciplinary perspectives: biological, psychological, philosophical. It was held in Spring 2021 and was taught by a team of experts from across campus. The unique feature of this course was it was taught fully online ---very fitting for a course about COVID-19 taught in the middle of a pandemic. The students not only learned about COVID-19 from the three points of view, but were able to dive into how COVID-19 affected their daily lives on a personal level; the students felt safe to use this pop-up course as an outlet to express themselves during those difficult times. The students also were able to create unique projects during the course, including a video interview, a COVID-19 comic book, and a COVID-19 newsletter.
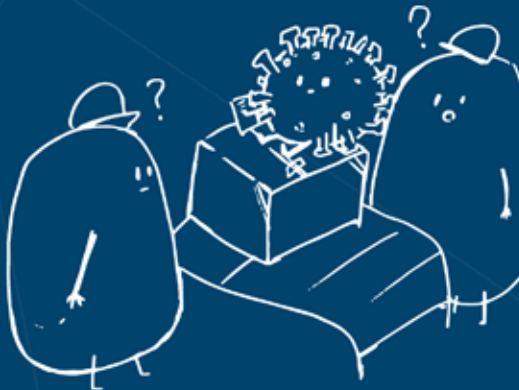
What is a Pop-Up Course?

A Pop-up course addresses the latest developments in academic fields and in society that have the potential to impact the personal, educational, and professional success of students and does so from multiple disciplinary lenses.

AI POP-UP COURSE

SPRING 2021

COVID-19 comic book characters a student, Sishi Liang, created as part of a class project.

Teaching Team

Robert Blumenfeld, Ph.D.
Psychology

Andrew Steele, Ph.D.
Biological Sciences

Dale Turner, Ph.D.
Philosophy

▶ Hatchery Mentors

Jill Adler-Moore	Amy Dao	Mehrdad Koohikamali	Ertan Salik
Kevin Anaderson	Adrian Gonzalez	Trayan Kushev	Zahra Sotoudeh
Steve Archambault	Mehrdad Haghi	Ann Loomis	Kiem Tsong
Kevin Autry	Hyung Chul Han	Alex Madva	Nolan Tsuchiya
Zeynep Aytug	Analena Hassberg	Frances Mercer	Rosa Vasconez Jimenez
Elke Azpeitia	Kyung In Huh	Sean Monemi	Edmond Wu
Robert Blumenfeld	Mariappan Jawaharlal	Sergio Maldonado	Farbod Khoshnoud
Scott Boskovich	Juanita Jellyman	Norali Pernalete	Randy Stein
Carlos Castro	Jae Min Jung	Jascha Polet	Stephen Osborn
Eduardo Corpuz	Seth Ketron	Peter Ross	Andrea Bonisoli-Alquati

▶ Institute Planning Group

Olukemi Sawyerr	Shayda Kafai
Winny Dong	Bryant Fairley
Ericka Olguin	Joselyn Yap
Juhyen Kim	Queenie Du
Preeti Wadhwa	Marissa Rico
Nina Abramzon	Setyawan
Micayla Anderson	Lydia Chen Shah
Dora Lee	Kenjus Watson
Joanne Sohn	Analena Hassberg
Alejandro Frank Covarrubias	

▶ LTD Task Force

Teresa Lloro-Bidart	Gabriel Granco	Marisol Cardenas
Preeti Wadhwa	Frances Mercer	Jason Lu
Mehrdad Koohikamali	Homeyra Sadaghiani	Julie Shen
Jeffrey Roy	Kelly Min	Olukemi Sawyerr
Giselle Navarro-Cruz	Hyungchul Han	Winny Dong
Tamar Omar	Saemee Lyu	Ericka Olguin
Ghada Gad	Joanne Sohn	
Claire Latane	Christy Orgeta	

▶ LTD Steering Committee

Sep Eskandari	Gina Johnson
Laura Massa	Megan Stang
Terri Gomez	Ericka Olguin
Alison Baski	
Olukemi Sawyerr	
Winny Dong	
Aaron DeRosa	
Sarah Meyer	

WALL OF FAME

CENTER FOR COMMUNITY ENGAGEMENT

KELLOGG HONORS COLLEGE
A Community of Scholars

Office of Undergraduate Research

CORPS
NSF Innovation Corps

LEARN THROUGH DISCOVERY

STUDENT INNOVATION IDEA LABS

Mission

The Center for Community Engagement (CCE) strives to enhance learning, encourage career exploration, inspire civic engagement and empower students with meaningful community-engaged learning experiences that have a positive impact on our local community, region, and world.

Vision

To engage, empower and encourage students to become civically-minded graduates; reflecting the impact of experiential education to inspire students to learn by doing good.

CENTER FOR COMMUNITY ENGAGEMENT

"The Center for Community Engagement encourages faculty to incorporate community-engaged learning experiences, empowers students to make a social impact, and inspires students to explore meaningful solutions to address today's most pressing problems."

- Bryant Fairley, Director of CCE

Staff & Faculty

Bryant Fairley
Director

Marissa Setyawan
Assistant Director

Lydia Chen Shah
Faculty Associate

Joselyn Yap
Administrative Analyst

Queenie Du
Co-Op Coordinator

Micayla Anderson
Communications Specialist

▶ Testimonials for the Co-Op Education Program

Leilani Scott Young
Current CPP Civil Engineering student working for CalFire

"Thank you so much the CPP Co-Op Education Program and CalFire! My first couple weeks in the Program has been very beneficial in learning how to become more self-motivated and how to communicate with others. My manager and other co-workers are nice, respectful, and very intelligent. I quickly found out that I was going to be in this building alone most of the time, because they are all out to meetings or working in different locations. This means no one is holding me accountable except for myself."

Johannes (John) Hansel
Recent CPP graduate in Mechanical Engineering

"For 9 months, I had the privilege of having my very first internship at MWD. I was able to learn so much and experience different parts of the engineering industry through this internship. I'd like to extend my immense gratitude to MWD, Los Angeles personnel and the Co-Op Education Program Office for helping me throughout the whole internship and for answering any questions I may have had. It was an honor to be able to work amongst such dedicated people who made my first internship fun and unforgettable. "

Judd Bolante
Current CPP student in Civil Engineering

"Without the Cal Poly Pomona's Co-Op Education Program opportunity at MWD, I would not have been able to understand the thought process of engineers and inspectors on the field as issues arise and they propose associated solutions. I would not have been able to gain experience reading drawings and understanding project issues through a couple documents that are given to me. I would not have been able to see the construction processes for all the work that is completed. I would not have been able to understand the coordination behind the work that is completed, and why delays happen."

▶ Engaged Learning Course Based Outcomes

Number of Hours Average of 14 Hours / Student	**10,156**
Number of Student Participants	**725**
Number of Service Leaning Courses AY 2020-2021	**40**

▶ Academic Internship Success

Number of Hours Average of 14 Hours / Student	**28,138**
Number of Participants	**329**
Number of Internship Courses AY 2020-2021	**31**

▶ Cooperative Education Success

Number of Hours	**13,000**
Number of Participants	**10**
Number of Co-Op Courses AY 2019-2020	**0**

▶ Key Highlights

We rebranded the CCE, highlighting CPP's ethos "learn by doing" as a key feature of a polytechnic education. We also launched the Bronco Stampede of Service, to introduce civic engagement and volunteer service experiences connected to the United Nations 2030 Sustainable Development Goals.

*** Please note, due to the COVID-19 campus budget limitations, colleges, and academic departments reduced or did not offer Co-Op, academic internships, and service-learning courses. As an alternative requirement, students completed reflection essays, research reports, or on-the-job training experiences. In all, 23 Co-Op students received offers of employment. However, due to COVID-19 restrictions, many industry partner employees were remote, and Co-Op interns were not allowed to report to physical workplace locations.

▶ Virtual Volunteer Fair

Fall 2020 CCE hosted its first Virtual Volunteer Fair in conjunction to CPP Welcome Week. Nine community partners joined us as we welcomed our CPP students to the new academic year. The fair provided students, staff and faculty opportunity to connect with volunteer organizations virtually to promote meaningful opportunities for volunteer service and sustain civic engagement in a virtual environment.

In Spring 2021 during National Volunteer Week, CCE alongside the CSU system celebrated service by hosting a second Virtual Volunteer Fair from April 18-24, 2021. Eighteen community partners participated. This virtual event showcases local and regional nonprofits and community-based organizations representing diverse social impact areas—from housing, education, arts, food insecurity, forestry, and children's services.

▶ Engaged Scholars

Dr. James Blair, assistant professor in the geography and anthropology department, has been selected as a part of the 2021-2022 cohort of the Campus Compact Engaged Scholar. With support from CPP's Center for Community Engagement, he will participate in a series of retreats and workshops within a broader coalition of scholars committed to equity-focused change and anti-racist pedagogy. "This opportunity will allow me to develop a concrete plan of action for a new community-engaged learning project on renewable energy, ecological restoration and environmental justice at California's Salton Sea," he said.

▶ Service-Learning Impact

The Center for Community Engagement (CCE) efforts through CPP KARES and our partnership with Tutorfly and the Pomona Library Foundation provides ongoing support and educational assistance to students, parents, and caregivers in Pomona Unified School District.

Pomona Unified is home to approximately 24,000 students, with approximately 90% living in poverty and 40% designated as English language learners. Our students provide encouragement and learning resources to students who may not have adults at home to assist with homework/reading needs. Please find additional information regarding these programs below:

Cal Poly Pomona Kids Activities and Resources for Educational Support (CPP KARES)- CPP KARES is a site developed by Cal Poly Pomona students providing Southern California parents/caregivers of children aged 0-12 with access to educational activities and resources that can assist with educating children at home during the school closures. Click "Age/Grade Levels" in the navigation menu to find educational activities compliant with the California Common Core Standards based on age or grade level and subject. The navigation menu also provides resources to stay up to date with caring for yourself, your children, and their education, and COVID-19 news relevant to Southern California. We had over 2,508 unique views of the webpage for the year and an average of 209 unique view monthly.

CPP Virtual Tutors: We are currently working with Tutorfly. org to coordinate free virtual tutoring for K-6 students in Pomona Unified School District through a collaborative partnership with the CCE and Pomona Library Foundation's Homework Club. The majority of Homework Club tutors are engaged learning students from CPP's Liberal Studies and Early Childhood Studies programs.

▶ Bronco Stampede of Service

The Bronco Stampede of Service is to celebrate National Day of Service throughout the year. The projects include meaningful hands-on volunteer opportunities that addresses specific United Nations Sustainable Development Goals and invests in community impact to benefit the common good. Due to COVID-19, our Bronco Stampede of Service had to pivot to virtual environment.

On January 18, in honor of Dr. King's legacy, the Center for Community Engagement provided CPP students a virtual MLK Day of Service. The day is intended to empower individuals, strengthen communities, bridge barriers, create solutions to social problems, and move us closer to Dr. King's vision of a "Beloved Community." CPP students were encouraged to share their thoughts and photos from previous volunteer service and tag us on our social media. CCE provided an at-home experiences utilizing the resources from L.A. Works and North Carolina State University. We had over 1,509 unique view of the MLK Day of Service webpage for the week.

On March 30-31, 2021, the Center for Community hosted a digital celebration honoring César Chávez. The website provided CPP students, faculty and staff another at-home experiences utilizing the resources from United Farm Workers to a virtual tour of César E. Chávez National Monument, which was the national headquarters of the United Farmworkers of America and the home of César Chávez from 1971-1993. We also hosted a Trivia Tuesday in social media. The webpage had more than 450 unique views in a two-day span.

► Faculty Workshop - Engaged Scholars Series

The Center for Community Engagement hosted a quarterly series of faculty workshops and conversations focused on strengthening existing service learning (SL) courses and new opportunities for community-engaged learning (CEL), and additional resources.

• Examples of virtual/remote opportunities for CEL and service learning
• Tips for building sustainable reciprocal relationships with campus partners

As part of the Chancellor's Office 2018-19 California's Call to Service Initiative, a systemwide accountability goal was identified to strengthen a Sustainable Data Collection Infrastructure to improve comprehensive data collection efforts on service learning (SL) and community engagement systemwide. The charge by the Chancellor's Office is that all campuses implement a common systemwide service-learning attribute (CSLI) in the student information system (CMS) to effectively identify and track SL courses. In Fall, CCE hosted a virtual workshop introducing the new CSU taxonomy for Community-Engaged Learning. The workshop was spear headed by CCE director, Bryant Fairley and CCE Faculty Associate, Lydia Chen Shah. A second virtual workshop was hosted on February 5 to helped familiarized faculty with the new CSU Community-Engaged Learning Taxonomy. CCE provided a walkthrough for completing the

online classification tool of Community-Engaged Learning Attributes and examples of virtual/remote engaged learning opportunities.

In preparation for in-person off-campus placements for both Internships and Service-Learning Courses in Summer and Fall 2021, CCE hosted two workshops to help guide community-engaged learning faculty and internship faculty/coordinators through BroncoSERV and the new procedures to ensure student safety. The workshop also provided COVID-19 guidelines and student checklists for all the required COVID-19 forms that students must complete to proceed with their in-person academic placement.

► Saddle Up for Service

The Center for Community Engagement, International Center and Study Abroad Program launched its first CPP Saddle Up For Service – Alternative Spring Break program in March 2021. Saddle Up for Service-Alternative Spring Break program is a 5-day virtual alternative break experience supporting local non-profit organizations in the greater Los Angeles area with engaging volunteer service projects from the safety and convenience of home. CCE partnered with L.A. Works, American Red Cross and Children's Foundation of America for it volunteer projects. A total of 17 CPP students registered. Each day CPP students participated in different service projects from card-making for elderly with American Red Cross, designing after-school activity kits for children at the Watts Empowerment Center to creating birthday bags containing a handmade card, cake mix, and a CPP Bronco plush gift for foster children at Trinity Youth Services.
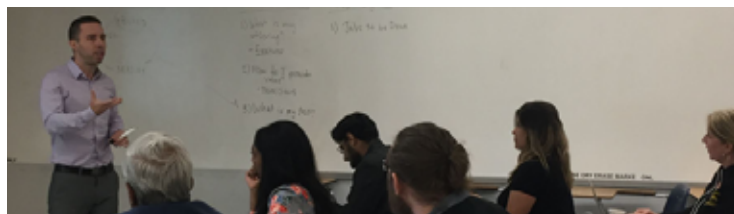
NSF INNOVATION CORPS

About CPP NSF I-Corps

Since its inception in spring 2019, the CPP I-Corps Site program has successfully recruited and trained 46 teams through 6 cohort offerings. These teams consist of 73 students, 27 faculty members, and 10 local entrepreneurs in a total of 110 participants. As of now, 25 teams were granted to move forward by attending the next-step training BOOM program by Innovation Network – Los Angeles I-Corps Node (regional program management site).

- Vistendo has been awarded a $250K SBIR Phase 1 grant from the Defense Health Agency in early 2020. Upon successful completion of this Phase 1, this team was awarded again with $1.1million SBIR Phase 2 grant in early 2021, despite the year-long pandemic hit.
- Team LV Bottle is in licensing talks with LOOP, and team Azuza Beverage won $10K in the 2020 Big Bang Competition, hosted by UC Davis for the category of Food and Agriculture sector.
- It has been a great experience working with the 8-person faculty team from multiple disciplinary fields. This team interacts and assists the CPP NSF I-Corps cohorts to develop and enhance their seed ideas!

Teaching Team

Yao Olive Li, Ph.D.
Director

Olukemi Sawyerr, Ph.D.
AVP Academic Innovation

Jenna Kim
Program Coordinator

Janeya Griffin
The Commercializer™, NASA

Trayan Kushev, Ph.D.
Associate Professor

Giuseppe Lomiento, Ph.D.
Assistant Professor

Sadiq Shah, Ph.D.
Associate VP Research

Yu Sun, Ph.D.
Associate Professor

Winny Dong, Ph.D.
Faculty Director, LTD Initiative

Lauren Bernal
Temp. Program Coordinator

Since 2019, some of the CPP NSF I-Corps teams were selected by the CPP faculty team to advance to the next step of their entrepreneurial journey: As of now, 25 teams were granted to move forward by attending the next-step training BOOM program by Innovation Network – Los Angeles I-Corps Node (regional program management site).

16
Completed the BOOM sessions

10
Recommended to the Nationals

4
Awaiting for results

▶ **Testimonials of participants in CPP I-Corps**

"I really enjoyed the various guest speakers broadening my understanding on the skills and plan required to take my ideas through the entire design process to market . . . [This program] exceeded my expectations. I really enjoyed this experience and I would recommend it to those interested in creating a start-up business."

"There was a lot of useful information in this program. I think that we can definitely benefit from incorporating some business students from the business college into our project."

"I was very impressed by the teaching team. They were incredibly helpful, both in guiding this process and in networking to resources. While they were very supportive and encouraging they also managed to be realistic and provide constructive and critical feedback to help us pivot or define our own goals. This is such a wonderful resource, I'm going to tell everyone I know about it."

"While I am very green to entrepreneurship, I can't pinpoint a particular point over the course of the two week short course in which I experienced an 'a-ha' moment. That being said, what I think is more notable to me is the level of confidence I have developed on the topic after just two day-long sessions. What impedes our desired path is not always ignorance, but the often lack of confidence associated with ignorance. In that respect, I think what's most remarkable about the CPP I-Corps short course is its ability to instill confidence in its participants in just a matter of two days. That, to me, is worth worlds more than any 'a-ha' moment."

▶ **I-Corps Participant Demographics of Cohort 1-6**

Participant Status

27
Faculty

10
Local Entrepreneurs

73
Students

Participant Ethnicity

Asian — 42%

Black / African America — 6%

Hispanic / Latino (Any Race) — 13%

Two or More Races — 5%

Unknown — 2%

Caucasian — 32%

Participant Gender

62% Male, 36% Female
2% Not Reported

▶ **How did the CPP I-Corps Short Course meet your expectations?**

58% Exceeded my expectations

42% Met my expectations

0% Did not meet my expectations

▶ Team Updates As of Today

Isabel Gutierrez - Vistendo | Cohort 2
Isabel has been awarded the $1.1m SBIR Phase II. She is thrilled to be continuing her work in diagnosing TBI in veterans and service members.

Sebastian Velmont, Stephen Lin, Cherlika Brown, Alshonia Brown - All Access Products (ReCIRC) | Cohort 2
For Sebastian and his team, the BOOM program and Hatchery have been significant to the progress of his team's innovation and has attracted interest from a major brand who would like to test out of zero-waste packaging for their new product line once they are able to test out his prototypes which he is still in the development process of.

His team has completed Stage 3 of the Hatchery Program and are now entering Stage 4, and any further grant assistance through NSF would be essential in achieving commercial growth. In fact, he will be reaching out to USC now to determine the next steps.

Kristine Fish - Mind & Heart Research Lab | Cohort 5
Kristine has received a SPICE grant and CPP grant to pay student assistants to develop the app this summer (they will be marketing an app and wearable device). They have also applied to the SIRG grant (also a CPP grant) and will hear shortly if they are approved. SPICE will pay for computer science students to create the technical aspects of the app & wearable and SIRG will pay for faculty time to create the content.

She has also pointed out that her new team name is SMART wearable for Healthcare Workers (SMART = Stress Management and Resilience Training). Her team has decided to target healthcare workers instead of college students right now. Lastly, Kristine is also confirmed to attend USC BOOM June 2021.
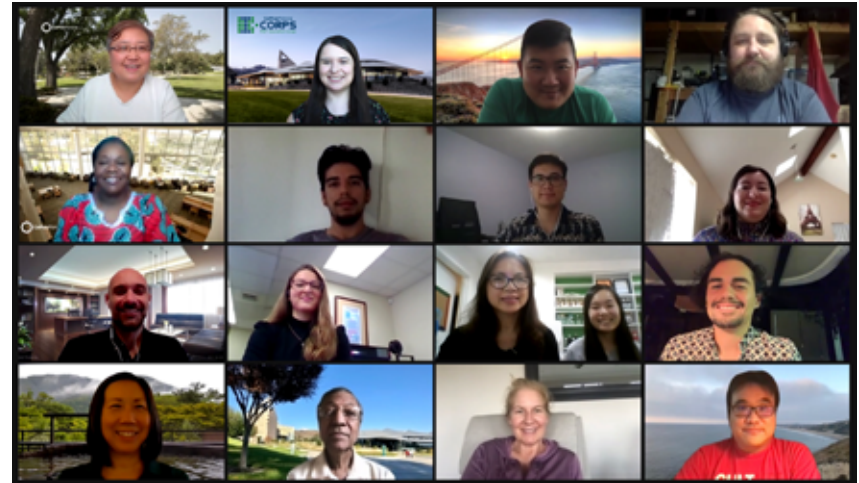
Kentaro Lunn - Aedia LLC | Cohort 5
Kentaro Lunn is confirmed to attend USC BOOM June 2021.

Michael L. Pham - High Altitude Balloon Launch | Cohort 4
At this time, his team has not elected to continue to the national I-Corps competition yet. With the big yearlong gap between the original CPP NSF I-Corps course and the recent BOOM session, the team has seen some shifting priorities as they have gained more experience working within their industry. Michael has also added that the original CPP course was run very well, and that he hope up and coming teams have just as good of an experience as he did!
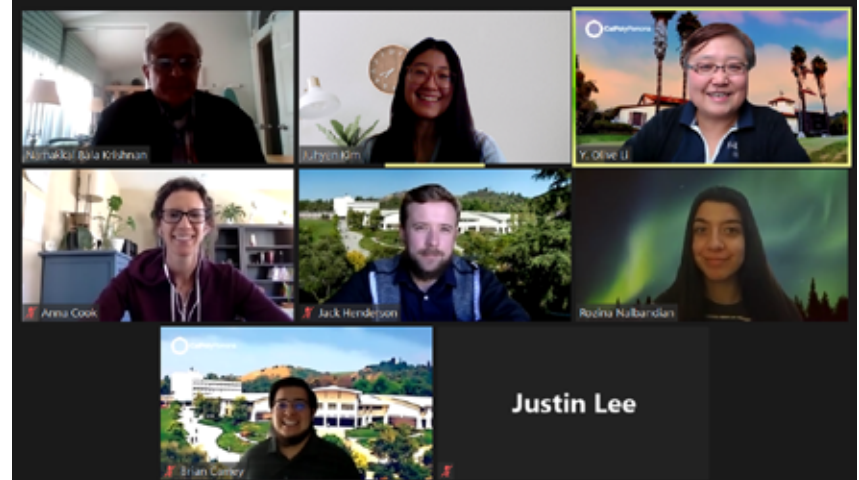
Dr. Reza Lakeh, Ali Sharbat, Rozina Nalbandian, Justin Lee, Brian Camey - Waste Salt Technologies | Cohort 6
Waste Salt Technologies is confirmed to attend USC BOOM June 2021.

Cohort 5 | Date: Fall 2020 | Number of Teams: 6 | Number of Participants: 13
The NSF I-Corps program just completed the Fall 2020 short course on Friday, October 9 and 23, 2020. The 2-day virtual course covered how to take an idea, product, technology, and/or research and translate it into the marketplace. 6 teams for a total of 13 Cal Poly Pomona students and faculty made up Cohort 5, led by an 8 person teaching team.

Cohort 6 | Date: Spring 2021 | Number of Teams: 3 | Number of Participants: 8
The NSF I-Corps program completed the Spring 2021 short course on Friday, March 12 and 26, 2021. Three teams for a total of eight Cal Poly Pomona students, faculty, and alumni made up Cohort 6, led by an 8 person teaching team.

▶ New Additions Added to I-Corps Program Starting Cohort 6

In 2020, CPP I-Corps invited a diverse group of successful entrepreneurs in our community to build the I-Corps Industrial Advisory Group. Dr. Li wanted to provide an opportunity for teams to network with and receive feedback from entrepreneurs who are experts in their fields. These individuals held discussions during the course, responding to questions such as:

• What entrepreneurship skills are useful in personal and professional development?
• In what ways do these skills help one become successful in career pathways?
• How can students gain these entrepreneurship skills on or out of campus (co- or extra-curricular activities)?
• From your extensive experience, what are general challenges in running businesses or in enterprise operations – if possible, for small start-ups to get going?
• Are there any personal experiences to share with students/faculty?

▶ The Industrial Advisory Group is still growing, but some of our members include

Richard Croxall	Consultant for Systems Engineering and Program Management at Aerospace
Diane T. Trinh	Adjunct Professor & Entrepreneur, Nutrition and Food Science Department, Don B. Huntley College of Agriculture, Cal Poly Pomona
Kit K. Kwok	Lecturer in Apparel Merchandising and Management, Cal Poly Pomona
Derek Nowicki	Previous Participant & Current Student in Computer Science at Cal Poly Pomona
Namakkal T. Balakrishnan	MBA, Lecturer, Technology and Operations Management Corporation, Vice President and Chief Engineer for Northrop Grumman Space Technology, UCLA Anderson Graduate School of Business, Distinguished Alumni at Cal Poly Pomona
Leanne Swanson	Principal Manager, Transmission & Distribution, & Maintenance, Metro West Region Manager, Southern California Edison
Kiem Tjong	Entrepreneur, a founder and executive with the Pasadena Angel investment group.

Mission

The Kellogg Honors College cultivates students' many forms of talent in an academically enriching environment within an inclusive and nurturing community. We motivate and prepare intellectually curious, civically engaged, lifelong learners.

Vision

We will be a college that fosters an environment, community, and foundation where personal growth, self-awareness, and professional confidence is coupled with academic excellence, innovation, and career readiness to prepare self-aware, civically engaged, visionary, global citizens.

Introduction to KHC

The Kellogg Honors College (KHC) continues its mission of inclusive excellence by cultivating the talents of our students, providing enriching and innovative academic experiences, and building a nurturing community of scholars. We provide our students with significant PolyX opportunities such as Community Engagement (CE) events, student research, internship opportunities, honors courses, and many more high-impact practices that lead to excellent outcomes and student success. KHC strives to support our diverse community of students and nurture them as they make progress towards completing their chosen degree programs and transition to their careers of choice.
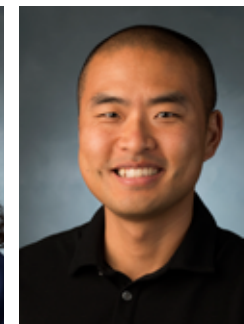
KELLOGG HONORS COLLEGE

Staff & Faculty

Suketu Bhavsar, Ph.D.
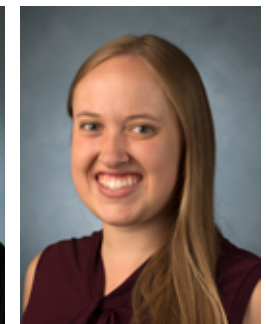Director

Claudia Garcia-Des Lauriers, Ph.D.
Interim Director

Sandra Harper
Administrative Coordinator

Won Choi
Academic Coordinator

Micayla Anderson
Communications Specialist

▶ Two Retirement Celebrations

In October of 2020 and January of 2021, we celebrated the retirement of former KHC Director Dr. Suketu Bhavsar and Administrative Coordinator Sandra Harper. Due to the pandemic, our celebrations were held on Zoom, but the impact of these two important people on our KHC students and on our campus community over more than a decade of service led to fantastic celebrations. Like our celebrations, honors courses were all held online, but our students showed continued resilience and achievements throughout the year.

We are very proud of all of them!

▶ KHC Task Force

In October of 2020, at the request of the Provost, we were tasked with taking opportunities identified in a self-study report titled "The Kellogg Honors College: A Programmatic Profile," and re-envisioning KHC's program and practices with an eye for making the program more inclusive and diverse. Using design principles KHC staff with additional guidance from Dr. Olukemi Sawyerr, AVP of Academic Innovation, we recruited a task force of faculty, staff, students, and community college partners to help us address challenges identified with innovative ideas.

Over two working meetings, the task force met and worked with data provided by KHC, to help us innovate our practices and put in place a plan to Re-envision KHC's programs and practices towards a more inclusive model of honors education. With their recommendations in hand, we got to work immediately on implementing new recruiting and admissions practices with an eye towards increasing diversity and access to our amazing program. This new Re-Envisioning Plan has also led to revisions of our KHC Strategic plan, and goals for implementation and assessment of the innovative ideas presented by the task force—charting a bright future for the KHC.

▶ Opportunities Identified for Re-envisioning

◆ **Admissions and Recruitment**
Most of the honors students come from STEM college. In 2019, 64% of honors students were matriculated in the College of Engineering and Science. In 2020, it was 74%

◆ **Transfer Students**
While CPP 2020 transfer population us at about 40%, KHC averaged 16.5% from 2010 - 2019.
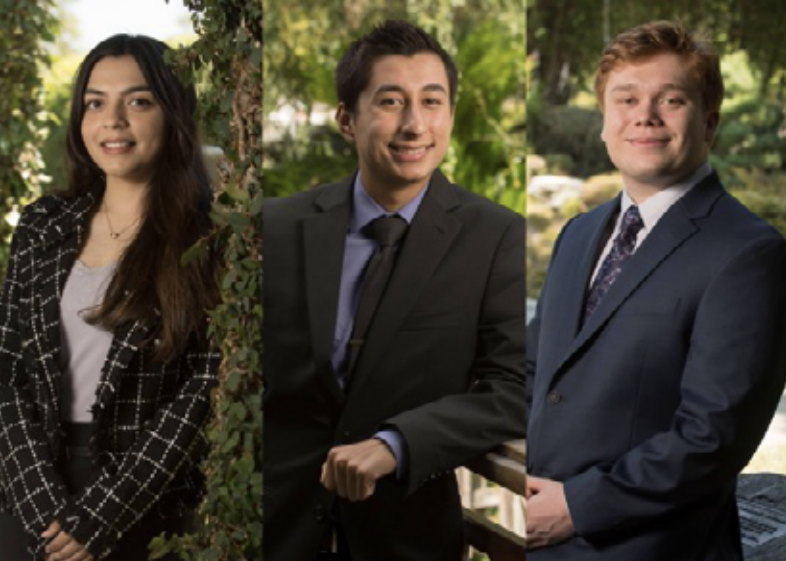
◆ **Admission & Application**
Application required four essays, streamline application, update criteria to articulate with CPP's new Mutifactor Admissions Model.

◆ **Curriculum**
Updating curriculum, integrating Civic Engagement. Capstone Research Project more effectively.

◆ **Raise the Profile of KHC**
Faculty and Alumni survey data revealed that KHC is not doing enough outreach, and is not well known on campus.

► KHC: Committed to Student Success

At KHC, we are committed to supporting our students through mentorship, research, scholarship, and internship opportunities. Our honors students' achievements never cease to amaze us. This academic year was no different, here are some highlights of our students' successes and achievements.

Zoe Andal

A mechanical engineering student in her first year at KHC was selected for the SMART scholarship with the US Department of Defense! Zoe applied after connecting with KHC alumna, Vanessa Gonzalez, who was a previous recipient.

Matthew Caballero

Matthew Caballero earned a B.S. in Mechanical Engineering and will be continuing work at NASA JPL as a mechanical engineer for the Europa Clipper and the Surface Water and Ocean Topography (SWOT) missions.

David Frausto

David Frausto was selected for the Fredrick Douglass Patterson Diversity and Inclusion Scholarship, College of Veterinary Medicine, Iowa State University

Kaleb Harris

Honors Graduate, Kaleb Harris BS, Kinesiology, accepted in the Doctorate of Podiatric Medicine (DPM) program at Des Moines University in Iowa.

Genesis Flores

Genesis Flores was selected as a Sally Casanova Predoctoral Scholar and is conducting Summer Research with Harvard Professor of Neuroscience, Dr. Charles Nelson.

Erin Walton

Honors Graduate Erin Walton, BA Communications, will continue her education at the University of Southern California (USC) where she is enrolled in the Master of Communication Management program.

Patriz Elaine Daroy

Patriz Elain Daroy, computer science graduate, interned over the summer of 2020 with Microsoft, and will now join their team as a Software Engineer in the Customer Success Engineering department.

Jinfeng "Phoenix" Chen

Jinfeng "Phoenix" Chen, BA Marketing and Human Resources will be earning a Ph.D. in Organizational Behavior and Human Resources Program at Purdue University. She participated in the 2021 International Collegiate Business Strategy Competition where her team ranked 1st place ("Best Overall Performance") and "Winner Best Documents" internationally.
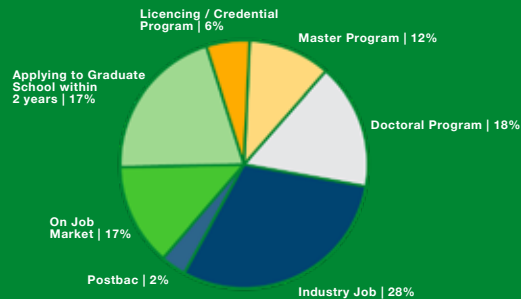
▶ KHC Class of 2021 Highlights

KHC Class of 2021 Outcomes

Average GPA of KHC Graduating Class	**3.76**	
Average Years to Grduate	**4.02**	

Licencing / Credential Program | 6%
Master Program | 12%
Applying to Graduate School within 2 years | 17%
Doctoral Program | 18%
On Job Market | 17%
Postbac | 2%
Industry Job | 28%

▶ Inclusive Recruitment 2021

Email Invitations

Invitations to apply to the KHC were sent via e-mail to the top 15% of applicants to each college at CPP and those who expressed interest in the KHC at the time of application.

- 21,163 Emails sent to freshmen applicants
- 7,090 Emails sent to transferapplicants
- 28,253 Total invitations to apply sent via Email

- 72% of Freshmen applicants
- 62% of Transfer applicants
  Cited email outreach as critical to their application

Showcase of Excellence

Two recruitment events were held--one for Freshman and one for transfers.

- 399 Freshmen attended
- 135 Transfer students

Post Event Survey

Applications for KHC admission for Fall 2021 Received

- 369 Freshmen
- 161 Transfer
- 69 Sophomore
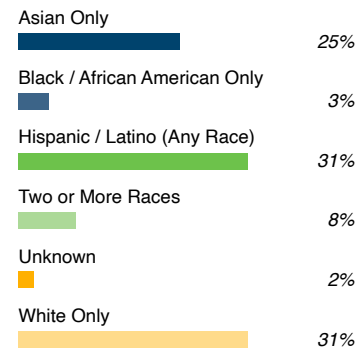- 599 Total

Post Event Survey

- 60% of post event survey respondents said CPP ranked higher after attending Showcase of Excellence
- 93% of post event survey respondents said the KHC increased their interest in CPP

Transfer Applications

The average number of transfer applicantions from 2015 - 2019 was 24.5.

In 2021 we increased our transfer applications by 657%
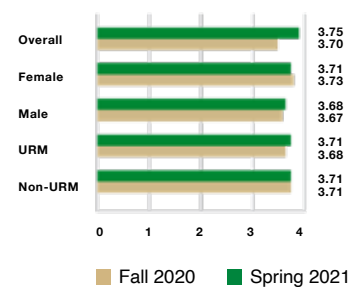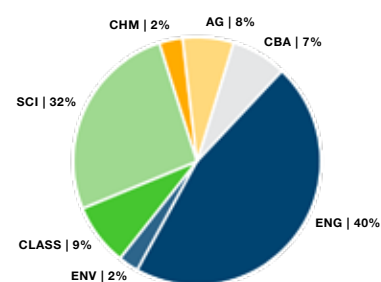

KHC STUDENTS PROFILE FALL 2020

Ethnicity

Asian Only	25%
Black / African American Only	3%
Hispanic / Latino (Any Race)	31%
Two or More Races	8%
Unknown	2%
White Only	31%

Gender Diversity

53% Female, 47% Male. 1% Non-Binary

GPA Average

	Fall 2020	Spring 2021
Overall	3.75	3.70
Female	3.71	3.73
Male	3.68	3.67
URM	3.71	3.68
Non-URM	3.71	3.71

■ Fall 2020 ■ Spring 2021

Note that equity gaps are much reduced.

Distribution by College

CHM | 2%
AG | 8%
CBA | 7%
SCI | 32%
CLASS | 9%
ENV | 2%
ENG | 40%

KHC FALL 2021 COHORT

Ethnicity

Asian Only	29%
Black / African American Only	6%
Hispanic / Latino (Any Race)	37%
Two or More Races	6%
Unknown	4%
White Only	11%

Gender Diversity

61% Female, 39% Male

GPA Average

	Freshmen	Sophomore	Transfer
Overall	3.77	3.75	3.93
Female	3.70	3.71	3.91
Male	3.62	3.70	4.01
URM	3.63	3.76	3.85
Non-URM	3.83	3.71	4.00

■ Freshmen ■ Sophomore ■ Transfer
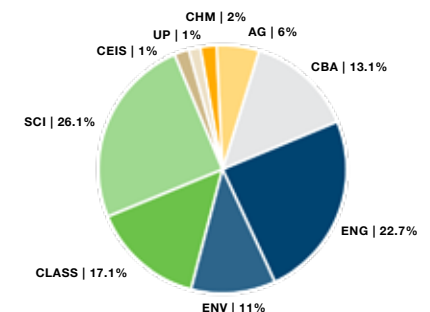
Freshmen GPA is weighted, sophomore and transfer not weighted.
Equity gaps greater at entrance.

Distribution by College

CHM | 2%
UP | 1%
AG | 6%
CEIS | 1%
CBA | 13.1%
SCI | 26.1%
ENG | 22.7%
CLASS | 17.1%
ENV | 11%

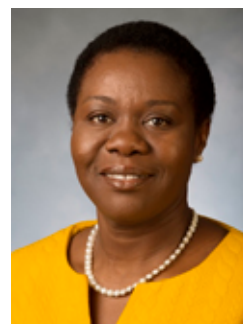# LEARN THROUGH DISCOVERY

About Learn Through Discovery

The Learn Through Discovery (LTD) Initiative at Cal Poly Pomona ensures that all students will have at least one Signature Polytechnic Experience (PolyX) before they graduate, and be able to articulate that experience. LTD also engages faculty and staff through institutes and sandboxes that promote multidisciplinary collaboration.

Staff & Faculty

Olukemi Sawyerr, Ph.D.
AVP Academic Innovation

Winny Dong, Ph.D.
Faculty Director, LTD Initiative

Ericka Olguin
Coordinator, LTD Initiative
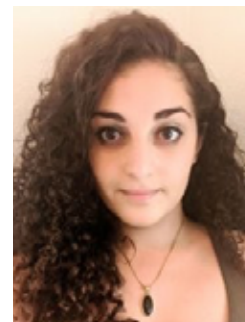
Jenna Kim
Assistant Program Coordinator

Cynthia Aguilar
Web Developer

Micayla Anderson
Communications Specialist

Eisen Ipac
STEM Vista Coordinator

Marmar Tavasol
Events & Outreach Coordinator

Nina Abramzon, Ph.D.
Professor, Physics & Astronomy

Teresa Lloro, Ph.D.
Professor, Liberal Studies

LTD POLYX

CPP is renowned for its "learn by doing" philosophy. The Signature Polytechnic Experience, or PolyX, is the formalization of this philosophy, providing students with opportunities to develop creative and innovative solutions to positively impact the world. It is the vision of the Learn Through Discovery (LTD) Initiative that by graduation, students will have participated in at least one PolyX and be able to articulate that experience.

Vision	CPP Strategic Plan	PolyX in Action	Student Success Outcomes

Every CPP student obtains an inclusive polytechnic education by receiving and articulating at least one signature polytechnic experience (PolyX).	8 Elements of an Inclusive Polytechnic Education.	• PolyX Hub
		  PolyX In the Classroom
		  PolyX Outside the Classroom
		• PolyX Faculty & Staff Development
		• PolyX Badging
			Degree Attainment
			Career Achievement
			Professional Education
			Continuing Education
			Life-long Learning

► PolyX Hub

ANT4900: Methods in Anthropology
College/Division: Letters, Arts, & Social Sciences | Faculy Instructor: Amy Dao

ANT3500HS: Environment, Technology and Culture (Honors, Service-Learning)
College/Division: Letters, Arts, & Social Sciences | Faculy Instructor: James Blair

Achieve Scholars Program Peer Mentoring CPU 4990
Department: Office of Undergraduate Research | Faculy Instructor: Ever Barraza

ENG 4401 Journal Publishing Activity / Harvest International
College/Division: Letters, Arts, & Social Sciences | Faculy Instructor: Aaron DeRosa

Entrepreneurship in STEAM (ESTEAM)
College/Division: Collins College of Hospitality Management | Faculy Instructor: Linchi Kwok

HRT 3830/HRT3830L - Food and Beverage Operations
College/Division: Collins College of Hospitality Management | Faculy Instructor: Jason Zhang

LTD Projects Hatchery
Department: Learn Through Discovery | Faculy Instructor: Winny Dong

Market Analysis in the Lodging Industry
College/Division: Collins College of Hospitality Management | Faculy Instructor: Linchi Kwok

McNair Scholars Program
Department: McNair | Faculy Instructor: Elena Alvarez

National Model United Nations (NMUN)
College/Division: Letters, Arts, & Social Sciences | Faculy Instructor: Marc Scarcelli

New Food Product Development FST 4920L: From the Classroom to National Competitions
College/Division: Agriculture | Faculy Instructor: Gabriel Davidoc-Pardo

Pineapple Club
College/Division: Collins College of Hospitality Management | Faculy Instructor: Ann Lara

PolyPet Spa Day and Vaccine Clinic
College/Division: Agriculture | Faculy Instructor: Joanne Sohn

Professional Work Experience Course
College/Division: Collins College of Hospitality Management | Faculy Instructor: Ann Lara

The Poly Post (news lab)
College/Division: Letters, Arts, & Social Sciences | Faculy Instructor: Jason Turcotte

Women, Health, and Body Politics Zine Making
College/Division: Education & Integrative Studies | Faculy Instructor: Shayda Kafai
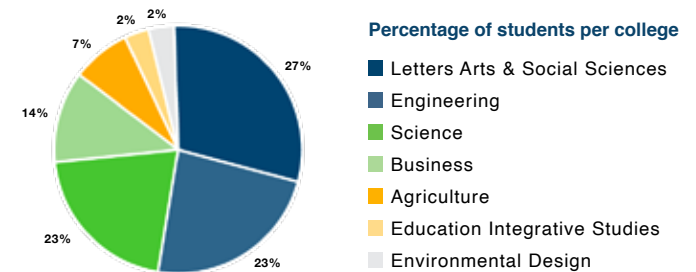
LTD PROJECT HATCHERY

The LTD Projects Hatchery is a PolyX that focuses on helping students discover their passion and create their impact. In the Hatchery, students will turn meaningful and innovative ideas into fully realized projects. The Hatchery team will guide students through every phase of development, from conception to implementation to completion.

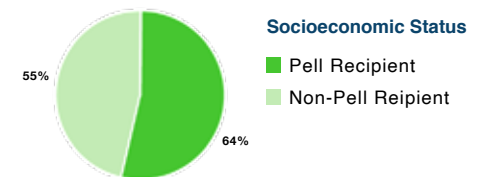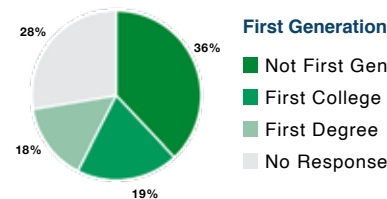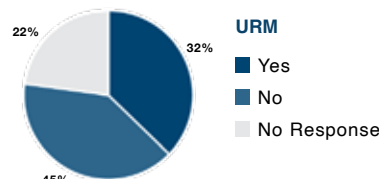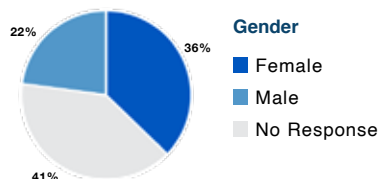## 2020-2021 AY Project Examples

Cut the Bias

Cut the Bias is an event combining speakers, entertainment, and a resource fair to confront implicit biases and how prejudice affects society. All proceeds go to charity.

Locals Only

We investigate consumers' attitudes and purchase intentions of the products made in their own (vs. other) states and assess factors that could influence them, thisallows us to understand the consumer at a state level.

Pellissier Pirates

Using Geophysical Methods to Locate Archaeological Artifacts from San Salvador, buried during the Great Flood of 1862 in Colton, CA.

Pomona Youths

The purpose of this study is to see whether meditation improves continuation high school students' educational and behavioral outcomes.

Team Insights

The motivation for our project is to prove to business faculty that there is value in having their undergraduate students participate (i.e. survey takers) in business research studies. In addition, we want to show that participating in research is helpful in learning marketing concepts.

2021 Scholar Recognition Magazine, published by the OUR and LTD. Features Hatchery student profiles and Phase III teams.

CPP Magazine article featuring Hatchery Team BLADE.

► Growth Trends

Growth trends chart showing Students and Teams from 2018 to Spring 2021. Students: 46, 102, 148, 149. Teams: 16, 52, 81, 85.

- Students
- Teams

► Number of Students

Pie chart: 27%, 23%, 23%, 14%, 7%, 2%, 2%

Percentage of students per college
- Letters Arts & Social Sciences
- Engineering
- Science
- Business
- Agriculture
- Education Integrative Studies
- Environmental Design

► Demographics of Participants

Ethnicity

Asian Only	16%
Black / African American Only	6%
Hispanic / Latino (Any Race)	24%
Non-Resident Alien	5%
Two or More Races	9%
Unknown	24%
White Only	14%

65 Mentors

18 Advisors

Gender
- Female 36%
- Male 41%
- No Response 22%

URM
- Yes 32%
- No 45%
- No Response 22%

First Generation
- Not First Generation 36%
- First College 19%
- First Degree 18%
- No Response 28%

Socioeconomic Status
- Pell Recipient 64%
- Non-Pell Reipient 55%

LTD
FACULTY / STAFF INSTITUTES

WINTER 2021

First Year Experience RELOADED

Date: January 20 - 21, 2021

Number of Participants: 50

Facilitators: n/a

This institute hosted staff and faculty from diverse disciplines who teach or may be interested in teaching a FYE class. The attendees learned about the FYE ecosystem and Signature Polytechnic Experiences (PolyX), heard from FYE student panels, and had the chance to network and hear from their colleagues.

SUMMER 2021

Calling in: An Invitation to Develop Conscious Engagement, Self-Inquiry, and Application

Date: June 2-4, 2021 | Number of Participants: 89

Facilitators: Analena Hassberg and Kenjus Watson

This Institute assisted faculty and staff of all disciplines in designing their courses to embed engaged learning, social justice, and political activism.
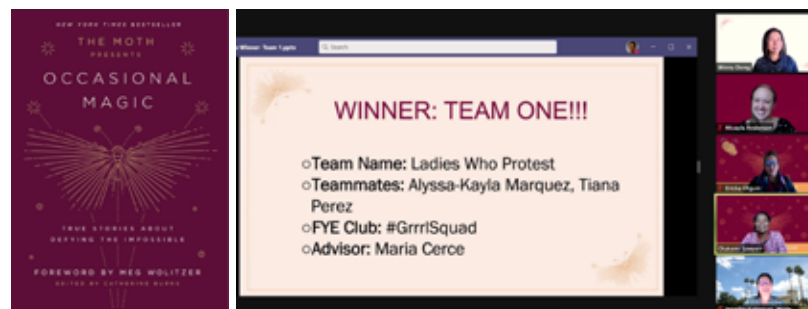
Throughout the institute, the facilitators and panel guests led dialogues about anti-racist and anti-colonial issues and practices that the faculty and staff could apply in the classroom or office.

LTD
FYE SHOWCASE & CHALLENGE

Over 250 faculty, staff, students, and guests attended the Learn Through Discovery FYE Showcase on Dec. 1, 2020. The showcase gave the participating students the opportunity to present the Signature Polytechnic Experiences (PolyX) they completed in their FYE classes during their first semester at Cal Poly Pomona. During the event, students presented their innovative solutions in the LTD FYE Challenge and displayed their posters in the FYE PolyX Showcase. The winners of the FYE Common Read essay contest were also recognized at the event.

2020 FYE Showcase Program | 2020 FYE Showcase Posters | PolyCentric Article

OFFICE OF UNDERGRADUATE RESEARCH

Mission

Increase the awareness of, participation in, and opportunities for undergraduate research across the disciplines and for students who are traditionally underrepresented in research: lower-division students, and first-year transfer students, as well as under-represented and first-generation students. Support faculty members who mentor undergraduate student researchers. As an umbrella office, coordinate efforts of programs that provide undergraduate research opportunities.

Vision

Support a diverse culture of experiential learning, discovery, and innovation by ensuring access to research for every undergraduate student.

Winny Dong, Ph.D.
Faculty Director

Everardo Barraza
Assistant Director

Elisa Mitchell
Associate

Lauren Bernal
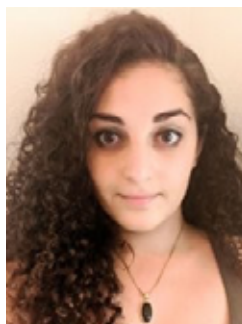Lead Graphic Designer

Micayla Anderson
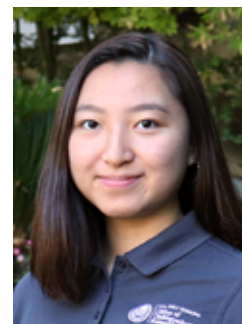Communications Specialist

Cynthia Aguilar
Web Developer

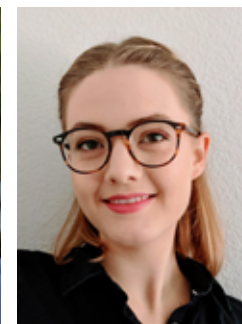**Eisen Ipac**
STEM Vista Coordinator

Marmar Tavasol
Events & Outreach Coordinator

Sophia Baroz
Student Assistant

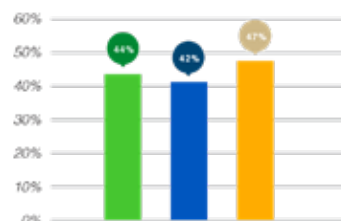**Lyn Yeoh**
Student Assistant

Hailey Yingling
Student Assistant

" Students who participate in undergraduate research are more likely to graduate on time, gain experience that is valued by employers, create a network of support; increase self-confidence, and attend graduate school. The Office of Undergraduate Research is proud to help students participate in research opportunities and to ensure that these opportunities are accessible to everyone."
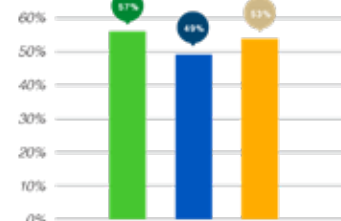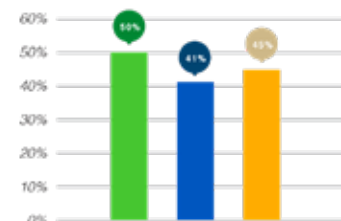
- Winny Dong, Director of OUR

▶ Pell Recipient

- Campus Population
- OUR Participation (2018-2019)
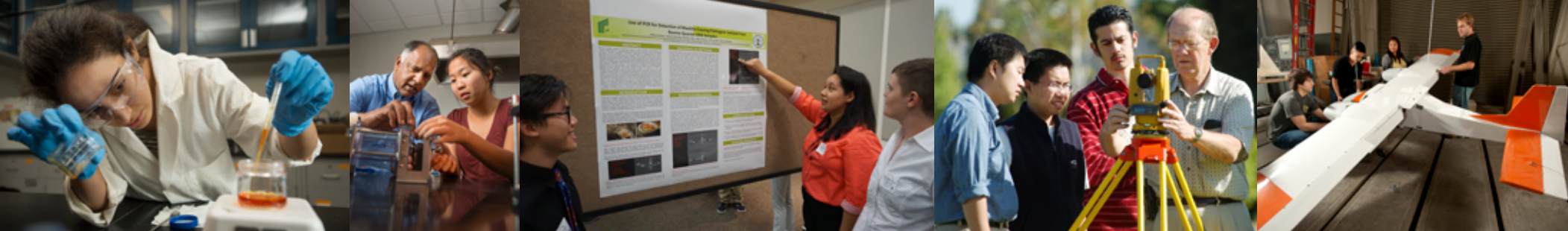- OUR Participation (2020-2021)

▶ First Generation

- Campus Population
- OUR Participation (2018-2019)
- OUR Participation (2020-2021)

▶ URM

- Campus Population
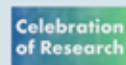- OUR Participation (2018-2019)
- OUR Participation (2020-2021)

★ The OUR was able to continue to provide ALL of its services despite the pandemic. In fact, the OUR even created a new program to serve additional URM, Pell-eligible, and first-generation students: Research through Inclusive Opportunities (RIO) Program

★ In 2020-2021, the OUR served a total of 1,157 students!

★ Through the use of virtual and recorded workshops, the OUR grew the number of workshop participants by 70%! (240 in 2019-2020, 416 in 2020-2021)

★ Through the use of proactive recruitment and program design, the OUR has narrowed the access gap for URM, first-generation and Pell-eligible students to undergraduate research.

★ The OUR virtually hosted the 35th Annual CSU Systemwide Student Research Competition, bringing together the campus community and showcasing research across the 22 CSU Campuses. The CSU Student Research Competition featured 230 oral presentations by student researchers and had 630 in attendence.

▶ **Achieve Scholars Program**

Helps students in all majors connect to Peer and Faculty mentors to learn about research and career development opportunities.

146 participants in 2020-2021

▶ **Celebration of Research**

Showcases research activities across the campus in a month-long event

81 participants in 2020-2021

▶ **Faculty Mentor Stars (STARS)**

Recognizes and celebrates faculty mentors.

81 participants in 2020-2021

▶ **OUR GRAD**

Provides support and guidance for students who are interested in pursuing graduate degrees.

81 participants in 2020-2021

▶ **Research Distinction**

Recognizes students who complete exemplary research.

42 in 2020-2021

▶ **Research through Inclusive Opportunities**

Engages underrepresented and early-career undergraduate students in faculty-mentored research experiences.

41 participants in 2020-2021

▶ **Summer CARS**

Opportunity for students to present their summer research results.

47 presenters in summer 2020

▶ **Student RSCA Conference**

Opportunity for students to present their research results at an annual conference.

208 presenters in 2020-2021

▶ **Summer Undergraduate Research Experience**

Partnership with community colleges where community college students participate in CPP-faculty-mentored summer research.

17 participants in 2020-2021
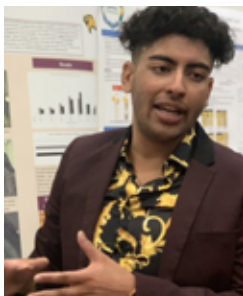
Daniela Navarro
Psychology '21
Research Distinction

Destiny Alvarez
English - Applied Language '21
ASP

Zuhayr Khan
Biotechnology '21
RSCA and CSU Competition

Karina Ortiz Villa
Philosophy '21
Research Distinction

Grigor Tombulyan
General Biology
ASP

Jessica Coronel
Biochemistry
RIO

Advice to students: *"The most important thing is to connect with professors! I always advise other students to look into their professor's research and what they specialize in, so that they can get a better idea of the work they do. Apart from this, I recommend looking into research programs on campus and look for research that interests you outside of CPP, too. I would suggest applying to many summer research programs; these are often paid and are a great experience to have!"*

- Daniela Navarro

"Research has impacted my life presently by providing a reference to my capabilities in Linguistics. I had never looked at language in such a way aside from creating beautiful literature. I love applied linguistics since it is much more complex than it seems. Learning about child language, second languages, and language development has always fascinated me."

- Destiny Alvarez

Advice to students: *"It's never too early to start your research journey! I recommend students contact professors about research opportunities as early as their freshman year to gain valuable experience, even if it isn't necessarily in their exact field. However, if a student has a set career path, I recommend they contact professors in that same field."*

- Zuhayr Khan

"I have had a lot of barriers and challenges in my life, starting from being an undocumented student, a first-generation student, and a minority... It is because of these challenges that I gained the skills to be successful, and I wouldn't have any other way. Everything I went through taught me a lesson and fed my passion."

- Karina Ortiz Villa

"Since joining ASP this Fall semester, I have enjoyed interacting with my fellow peer mentors and being part of an environment that motivates me to keep working on the things I want to accomplish before graduating. In addition, through ASP I was able to improve my overall confidence in my communication skills, which allowed me to seek out more opportunities for both myself and my mentee."

- Grigor Tombulyan

"As a Latina first-generation student, conducting research was an empowering opportunity to further reach my goal of graduating with a bachelor's in science and continuing to higher education. The RIO program has positively impacted me in giving me the research experience, support, and mentorship I need to succeed in my educational journey. In addtion, caring for my child on top of my other responsibilities has been a journey that inspired me to start the Parenting Broncos Club in order to unite the community of student parents."

- Jessica Coronel

"As the pandemic pushed our operations virtual, our goal was to figure out how to put our makerspaces—a 100% hands-on experience—online. We started by launching online-programming to help start businesses in Summer 2020, and in Fall 2020, we partnered with student organizations to help sustain and build the CPP Maker community through virtual meetings, innovation challenges, and competitions. In Spring 2021, we maintained our partnerships as well as relaunched our startup programming as a mini-certificate program, or badge, to help students prepare for the Bronco Startup Challenge.

We see a bright future ahead. During the coming year, the iLab will relocate to Building 1 into a newly renovated space, the footprint of the Maker Studio will expand, and the SIIL workshop library will diversify to include creativity/innovation training and teamwork development in order to support classroom instruction and extra-curricular training."

- Kenneth Lamb, Ph.D., Director of SIIL

STUDENT INNOVATION IDEA LABS

Mission

The mission of the Cal Poly Pomona Student Innovation Idea Labs (SIIL) is to create and maintain an ecosystem that fosters creativity, innovation, and entrepreneurship.

Vision

The vision of the Student Innovation Idea Labs is to be a catalyst for innovation through the establishment of strategic partnerships with internal and external stakeholders on the Cal Poly Pomona campus and throughout the greater Pomona Valley region.
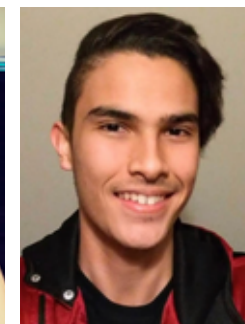
Staff & Faculty

Kenneth Lamb, Ph.D.
Director

Jesus Bermudez
Administrative Coordinator

Michelle Allende
Technical Writer

Jasmine Dao
Web Developer

Kevin Strawn
Graphic Designer

► SIIL Spaces

SIIL oversees three spaces—the iLab, the Innovation Orchard (IO), and the Maker Studio. Each space offers equipment, materials, and workshops for students to expand their creativity and knowledge in conjunction to their discipline's curriculum. The iLab, located in 98C 6-06, was the first SIIL space in existence, created by Dr. Olukemi Sawyerr in 2015. It houses 3D printers, button makers, and a vinyl cutter. It also has workspace for students to meet with their peers to discuss their core curriculum or potential business ideas. The Innovation Orchard, the largest SIIL space located off-campus at Ganesha High School, provides students with a variety of heavier equipment, including wood-working tools, a laser cutter, and larger-scale 3D printers, and is a place to create large projects. Lastly, the Maker Studio is the newest SIIL space located on the 2nd floor of the library that provides unique equipment to students, such as a letterpress, an Axidraw, and a sewing and embroidery machine. It is currently SIIL's smallest, but busiest, space! It is a collaboration between SIIL, the CPP Library, and faculty in the English and Land Scape Architecture Department.Students can visit each space to meet new people, participate in events, and create whatever their heart desires for free, regardless of college or major. SIIL is constantly evolving to expand its reach across the CPP community and to offer new, unique experiences for students, faculty, and staff.

Student Innovation Idea Labs

Innovation Orchard

Maker Studio

► Entrepreneurship Badging Program

SIIL created the Entrepreneurship Badging Program to work in conjunction with a student's major curriculum. Through this program, participants gain in-depth knowledge about the entrepreneurial process and begin to further understand what it takes to start a business from the ground up. There are three levels to the badging program—bronze, silver, and gold—each of which have their own requirements for completion. The bronze level focuses on developing a business idea and its plan, while the silver level requires the product or service to be introduced into the marketplace through pitch competitions to investors and to government agencies.
To complete the last phase, students are expected to show a record of initial sales or submit a notice of investor funding. The Entrepreneurship Badging Program is a culmination of the knowledge provided by SIIL being put into action.

► Ambassador Program

The Ambassador Program is a volunteer-based opportunity run through the Maker Studio. Ambassadors ensure that the space is functional and clean, and they provide assistance to visitors when needed. Although ambassadors are not paid, they receive a variety of perks, including access to equipment after hours and training on every piece of equipment within the space. They are a vital part of the Maker Studio, and the program is anticipated to grow with the Maker Studio expansion in the works.

► **Innovation Weekend**

From April 8-10, 2021, students worked on developing a frugal innovation that could assist a disadvantaged community during Innovation Weekend. Presented by the Cal Poly Pomona Engineers Without Borders and in collaboration with the Center for Community Engagement and SIIL, this 48-hour design sprint required teams to focus on one area of concern within the Eastern Coachella Valley, such as clean water, employment opportunities, renewable energy, and more. With guidance from experts on each chosen topic, teams created a prototype that would help solve their problem of focus, which they later presented during the closing ceremony.

► **Entrepreneurial Workshop Series & Data**

During Spring Semester 2021, SIIL hosted a series of free, one-hour Zoom workshops to teach students about the entrepreneurial process. With workshops like Cycles of a Business, How to Build a Minimum Viable Product (MVP), and Building Your Pitch Deck 101, students learned about the ins and outs of the business world and what is needed to successfully translate an idea into the marketplace. Guest speakers answered questions based on their area of expertise, providing students with a wide range of knowledge and insight into the different spheres of the entrepreneurial field.

During the Entrepreneurial Workshop Series, SIIL saw a growth in attendance by new students, primarily in the business and engineering disciplines. SIIL hopes to expand its reach across the CPP community, serving more students, faculty, and staff within different disciplines.

► **Giving Day**

SIIL participated in Giving Day 2021, primarily seeking funds for the Maker Studio space in the library. The space's equipment and student creations were put on display for potential investors to see. In all, $1,672 was raised and will be put towards the Maker Studio expansion.

FUTURE ENDEAVORS

▶ **Space Reopenings**

SIIL has reopened its doors during the summer of 2021. Currently, the Innovation Orchard and the Maker Studio are open, and students can visit when they make a reservation. The iLab's reopening is to be determined; however, students will still have access to a wide range of equipment and will be able to watch certain equipment workshops through prerecorded videos on the main SIIL website.

▶ **Maker Studio Expansion**

The Maker Studio will begin the process of expansion during Fall Semester 2021. Students will be able to enjoy new equipment that will widen creative opportunities and will have more workspace to develop their ideas.

▶ **Innovation Kitchen**

SIIL is developing a plan for the Innovation Kitchen, a space in the Lyle Center that will be open to students. A variety of cookware will be available to use for free, and students will be able to further develop cooking skills in a new, exciting, collaborative way within a predesigned iKitchen station. SIIL hopes to collaborate with ASI Basic Needs and the Poly Pantry to help solve the issue of food insecurity among CPP students through the Innovation Kitchen.

▶ **The Bronco Innovation STEA2M Hub (The Hub)**

The Hub will be a makerspace located in downtown Pomona facilitated by SIIL and the broader Pomona community. It will be open to local entrepreneurs, startups, small and family-owned businesses, and other universities. This 10,000 square foot incubator/makerspace will hold the necessary and unique resources, such as equipment and educational curriculum, that entrepreneurs, startups, and businesses may not be able to access otherwise. Patrons will be able to develop new skills and learn about the business world through The Hub, which will set them apart from their peers and allow them to market themselves and their product/service in unique and appealing ways.
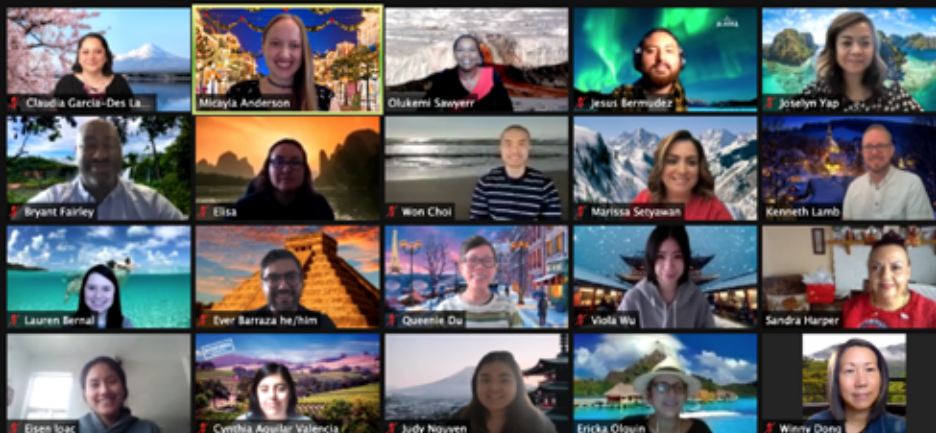
AI Halloween Party - October 2020   Congrats Kemi on being the new AVP of Academic Innovation! - January 2021   Congrats to the AI Graduating Class of 2021! - May 2021
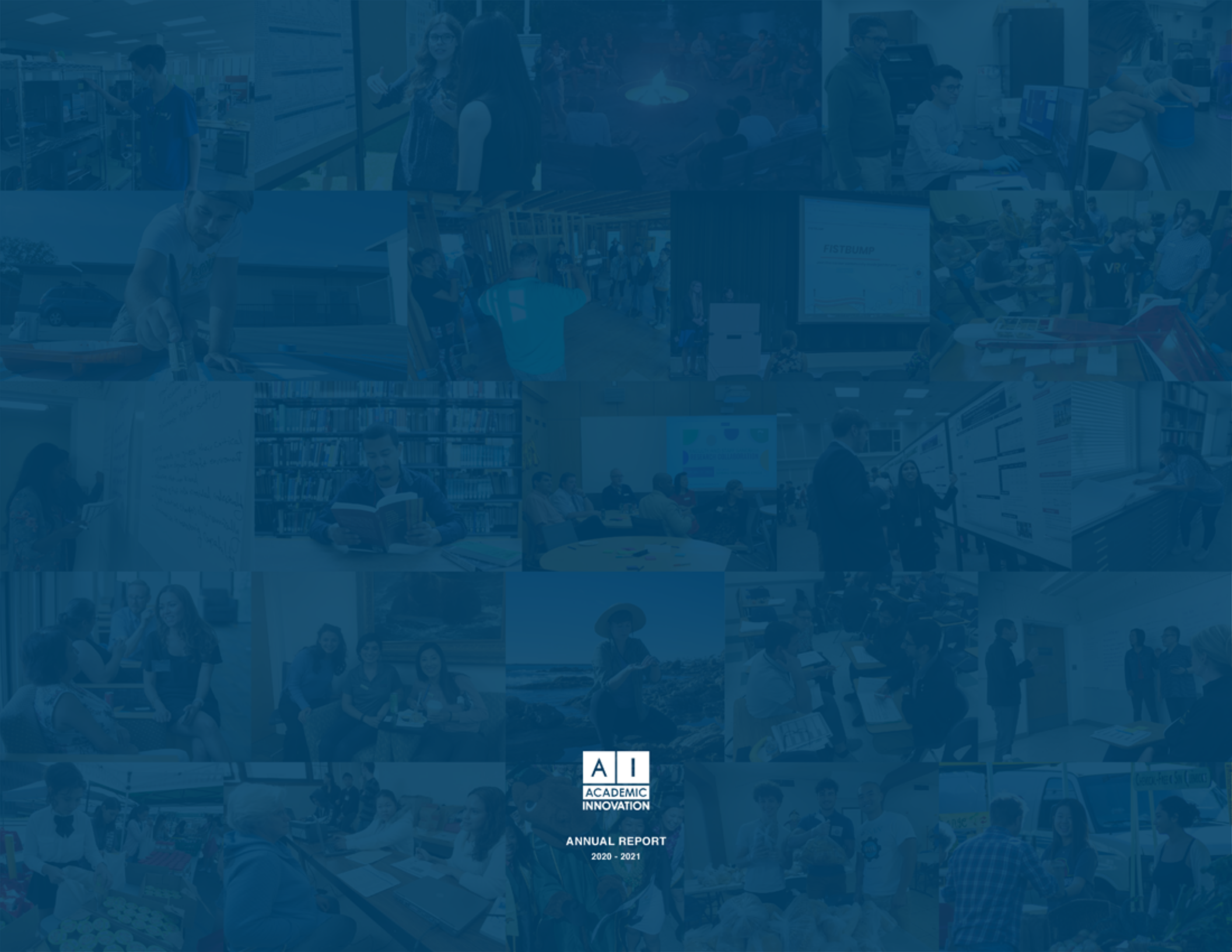
Thank You, AI Team!

AI Retreat - Winter 2020   AI Retreat - Summer 2021

Designed by Micayla Anderson & Viola Wu

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ACADEMIC INNOVATION

ANNUAL REPORT

2020 - 2021