

Zayna Lateef

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EDUCATION

University of California, Berkley

August 2022 - Present

- Major: Electrical Engineering and Computer Science

RESEARCH

All American Asphalt Emissions Research

February 2021 - August 2022

University of California Irvine, Susan and Henry Samueli College of Health Sciences

- Collect samples of volatile organic compound and P 2.5 concentrations in areas surrounding the All American Asphalt plant using the Atmotube sensor and the GPS data logger
- Identify environmental changes that effect placement of VOC's in my community and trends related to them
- Worked with a team of post-doctorate researchers and specialists to compile data and present findings to the city

EXTRACURRICULAR ACTIVITIES

Sage Hill Prosthetics

August 2021 - June 2022

Team Lead

- Created fully functioning custom prosthetics for over 40 recipients using computer software programs and 3D-printing technologies
- Designed prosthetics to maximize recipients personal goals, effectiveness, and comfort by combining newer experimental prosthetic designs with traditional recipient requests

Child Creativity Lab

October 2020 - August 2022

Lead Intern

- Worked to foster the next generation of critical thinkers and problem solvers, ages 4-14, through hands-on creativity-enhancing exploration utilizing only reclaimed and up-cycled materials.
- Redesigned our curriculum to a virtual format for COVID-19, while continuing to teach and design workshops and project kits

The Boeing Company

June 2021 - August 2021

Lead Intern

- Researched, tested, and determined the most efficient methods to detect, mine, and transport Helium-3 from the moon to earth for nuclear fusion through STK simulation software
- Developed an innovative IR-laser to combat the growing environmental issue of nonfunctional space material. #1 Overall Space Debris Design

Multicultural Symposium

August 2020 - June 2022

Co-President

- Organized an annual Symposium that reached over 700 people virtually and promotes cross-cultural competency through various keynote speakers and students dedicated to sharing their voices and experiences with the theme, Navigating Perspectives in an Uncertain World

TiE Young Entrepreneurs Competition

October 2019 - May 2020

Chief Financial Officer

- Designed and created the the application Greek Life, a personalized mobile platform that matches people's lifestyles with the right sorority by utilizing essential information and resources to make the best possible decision and maintain a safe environment during the rush process
- Projected income, expenses, and business KPIs to present to investors leading to a third place finish in the regional competition.

WORK EXPERIENCE

Code Ninjas

June 2021 - August 2022

Lead Coding Instructor

- Successfully assist students to gain problem solving and critical thinking skills through education and hands on activities in STEAM
- Teach coding languages, C# and Javascript, to over 70 students, while mentoring students to improve their programming ability and working towards developing their own games