Kaitlyn Chan

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University of California, Berkeley
Electrical Engineering and Computer Science B.S. *(expected May 2022)*

EXPERIENCE

Nano Devices Lab, UC Berkeley — *Student Researcher*

MAY 2019 - AUGUST 2019

Worked in the EECS department under Professor Constance Chang-Hasnain on optoelectronics research.

- Designed optical experiments to investigate structured light technology for 3D sensing.

- Characterized electrical and software properties of time-of-flight (ToF) 3D sensing boards, optimizing for range and accuracy.

- Compared illumination sources (LED and VCSEL) under various imaging conditions for the ToF boards.

- Skills: PCB design, optoelectrical setups/testing, image processing.

Pioneers in Engineering, UC Berkeley — *Project Manager*

AUGUST 2019 - PRESENT

Pioneers in Engineering is a non-profit organization focused on bringing robotics education to underserved high schools in the East Bay.

- Project manager for PiESens, the electrical team in charge of designing and manufacturing PCBs to incorporate various sensors for the robot.

ARMUS Corporation — *Software Engineering Intern*

JUNE 2018 - AUGUST 2018

- Worked on XML metadata development and unit test writing for Hybrid Outcomes, a data entry and reporting platform for hospitals.

- Designed and built website to report surgery data from 30+ Washington hospitals for the nonprofit Foundation for Health Care Quality.

- Previously part of the data science, QA, and metadata development teams from June to August 2017.

EDUCATION + RELEVANT COURSEWORK

UC Berkeley — *BS in Electrical Engineering and Computer Science*

AUGUST 2018 - MAY 2022

GPA: 3.862

COURSES: Structure and Interpretation of Computer Programs, Data Structures and Algorithms, Computer Architecture, Signals and Systems, Physics, Designing Information Devices and Systems I and II, Multivariable Calculus, Nuclear Engineering Seminar, Mechanical Engineering Group Studies (Assistive Technology), Asian Americans in Politics and Public Policy

INVOLVEMENT

Teaching:

- Works as a lab assistant for EE16B, UC Berkeley's second introductory course for electrical engineering.
- Helps students use electronics lab equipment and debug circuits.

Service:

- Secretary and treasurer for the Association of Women in EE&CS, an organization dedicated to building a community through mentorship and professional opportunities.

SKILLS

- Proficient: Java, Python, Matlab, Javascript/HTML/CSS

- Working knowledge: React, R, C, Ruby

- PCB Design, CAD

- Research, writing

AWARDS

- National Center for Women & Information Technology (NCWIT) 2018 National Runner-up & Affiliate Award Winner
- 2016 Congressional App Challenge Winner
- National Merit Finalist

LINKS

- kaitlynchan.github.io
- linkedin.com/in/kjoycec