

EMILY WANG

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

expected graduation May 2022

Bachelor of Science in Electrical Engineering & Computer Science; 3.9 GPA

- » Member of IEEE - Eta Kappa Nu (HKN), National EECS Honor Society
- » Relevant Coursework: Efficient Algorithms & Intractable Problems, Data Structures, Machine Structures, Linear Algebra, Multivariable Calculus, Discrete Mathematics & Probability Theory, Foundations of Data Science

EXPERIENCE

BERKELEY CODEOLOGY

Feb 2019 - present

Project Developer

- » Working in teams of ~5 on small-scale projects to gain exposure to various branches within the tech industry
- » Currently learning full-stack web development and creating web applications using React, CSS, and API calls
- » Completed a personal web portfolio using HTML, CSS, and JavaScript, as well as a decentralized app (see projects)

UC BERKELEY EECS DEPARTMENT

Jan - May 2019

Academic Intern

- » Helped students in Berkeley's largest lower-division CS class (CS 61A: Structure & Interpretation of Computer Programs) with assignments and projects during office hours and lab
- » Dedicated ~30 hours over the course of a semester

ACTIVITIES

ETA KAPPA NU (HKN)

May 2019 - present

Service Committee Assistant Officer

- » Creating introductory labs and planning community outreach events for local middle & high schoolers interested in EE/CS
- » Tutoring for one hour per week and volunteering at HKN-hosted events, including career fairs and course review sessions

BERKELEY ANOVA

Feb 2019 - present

Site Leader

- » Managing a group of 10 mentors at weekly site visits and leading site prep meetings to develop curriculum plans
- » Engaging in committee meetings to discuss updates on site progress and ideas to improve teaching and mentorship

Curriculum Committee Member

- » Developed presentations and creative exercises to teach introductory computer science at an after-school program for high schoolers in Oakland
- » Created teaching material for beginner-level Python curriculum to help establish a centralized bank of core content

PROJECTS

Scheduler | React, CSS

Oct 2019 - present

- » React app to schedule events utilizing Semantic UI styling and React Router
- » Currently implementing integration with Google Calendar API

Betting Game DApp | Solidity, Truffle Suite

Apr - May 2019

- » Mock-casino betting game decentralized application on the Ethereum blockchain
- » Smart contract written in Solidity, tested with Truffle & Ganache, and deployed on the Ropsten Test Network

Random World Generator | Java

Apr 2019

- » Engine that randomly generates valid 2D tile-based maps with hallways and rooms to explore
- » Open-ended class assignment with the objective of gaining experience in the entire design and development process of a complex, larger-scale project

SKILLS

PROGRAMMING

Java HTML/CSS
Python SQL
C Processing.js
Scheme NumPy

DESIGN

SolidWorks (CAD)
Adobe InDesign
Adobe Illustrator

AWARDS

UC Berkeley Kraft Award for Freshmen	2018
Future Business Leaders of America	
1st Place E-Business, CA	2018
4th Place Publication Design, National	2017
1st Place Graphic Design, CA	2016