

Jack Wang

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Berkeley, CA

EDUCATION

University of California, Berkeley

May 2021

B.S. Electrical Engineering and Computer Science (EECS)

GPA 3.8

Languages: Python, Java, JavaScript, SQL, C

Web Technologies/Frameworks: React, HTML/CSS

Relevant Coursework: Data Structures, Algorithms, Databases, Artificial Intelligence, Machine Learning, Security, Data Engineering, Data Science, Discrete Math & Probability, Machine Structures, Linear Algebra, Teaching CS

EXPERIENCE

Amazon | Software Engineering Intern, May – August '20

- Built and shipped a feature that automates the rebuilding process for AWS EBS Servers to decrease offline capacity and improve ability to triage global build issues.

SF Motors | Engineering Intern, May - August '18

- Designed components and assemblies for design validation testing of development electric motors.
- Initiated production of components by reaching out to vendors and releasing documentation to suppliers.

PROJECTS

PomoTasks | JavaScript, React, Firebase

- Used JavaScript and React to develop a to-do list app that uses the pomodoro technique to help users increase productivity.

Maze Search Traversals Visualizer | JavaScript, HTML/CSS

- Created a web app to help students in the UNCF program visualize search algorithms by demonstrating BFS, DFS, and A* on mazes and on a tree and also see applications of graphs.

Bear Maps | Java

- Programmed the back-end of a web mapping application that rasterizes map images and renders the shortest distance between points using A* (Dijkstra's) path finding

TEACHING

UC Berkeley College of Engineering | Tutor, August '19 - Current

Taught labs/discussion sections, held office hours, and graded coursework for:

- CS 61B – Data Structures, Jan '20 - Current
- CS 61A – Structure and Interpretation of Computer Programs, August – December '19

UNCF | Instructor and Developer of CS Silicon Valley Academy, May - August '19

- Instructor of pilot program where I taught 30 students from historically black colleges and universities (HBCUs) data structures and algorithms in daily discussion sections.
- Created textbook content, problems, solutions, and projects for the course.

ORGANIZATIONS

CS Mentors (CSM) | Senior Mentor, August '19 - Current

- Teach and provide mentorship in a weekly recitation section of five students. Provide support to new mentors/teachers in CSM with advice and pedagogy principles.

Eta Kappa Nu (HKN) | Exec Member – Corresponding Secretary, May '19 – Current

- Provide strategy and direction to better provide our services to improve the Berkeley community.
- Communicated with the department, tutored 2 hours / week, and led review sessions for exams.