

Education

University of California, Berkeley

B.A. Computer Science, Class of 2022

Employment

Teaching Assistant, UC Berkeley EECS Department

Aug 2021 - Present

Teaching lab sections, holding office hours, and developing course materials for CS 61C (Great Ideas in Computer Architecture); topics include C, assembly, CPU design, caching, virtual memory, and parallelism. Previously tutored for the class.

Software Engineer Intern, Amazon

Sep 2021 - Dec 2021

Completed a full-stack project to implement an experimental user feature for Amazon Music Web Player, streamlining the user experience and boosting interaction. Added frontend features in TypeScript React and connected to Java backend.

Software Engineer Intern, ASML

May 2021 - Aug 2021

Developed a concurrent, high-performance analytics tool in Golang, capable of scanning ~50,000 directories a minute and recreating a directory tree in-memory, running over distributed file systems containing 10s of TBs of data.

CSO Field Training Officer, UC Berkeley

Jan 2019 - Jul 2021

Served as a non-sworn Community Service Officer (CSO) operating campus and student safety programs. Supervised training and integration of new hires.

Extracurriculars

Internal Affairs Chair, Blue & Gold Yearbook

September 2019 - Present

Coordinate across different production teams to produce an annual yearbook for UC Berkeley. Responsible for planning social events and building a safe and inclusive club environment.

Frontend Developer & Designer, The Daily Californian

January 2020 - July 2021

Designed and prototyped a portfolio website for the university newspaper's in-house design consultancy, and fully implemented the redesign with TypeScript React. Assisted with full-stack rewrite of the newspaper's primary website.

Design & Media Lead, Parliamentary Debate at Berkeley

May 2019 - Aug 2021

Directed an overhaul of the organization's visual identity, designed and built a new website, and established a comprehensive branding kit. Helped maintain online presence through leading marketing and recruitment campaigns.

Kevin Chang

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Coursework

Data Structures, Computer Architecture, Operating Systems, Computer Security, Efficient Algorithms, Programming Languages & Compilers, Computational Vision & Photography

Software

Languages

C, Golang, Java, Python, RISC-V, HTML/CSS, JavaScript, TypeScript, SQLite

Tools

SciPy (OpenCV, Numpy, SciKit), Linux, YACC/LEX, React, WordPress, Adobe Creative Cloud, Figma

Course Projects

Operating Systems

User Programs, Scheduling, File Systems

Computer Security

Memory Exploits, End-To-End Encryption, Scripting & Injections

Programming Languages & Compilers

Lexing & Parsing, Semantic Analysis & Type Checking, Code Generation

Computational Vision & Photography

Image Alignment & Stacking, Fourier Analysis, Face Morphing, Neural Networks, Image Stitching & Alignment, Augmented Reality