

Andrew Kou

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EDUCATION

University of California, Berkeley

Bachelor's Degree, Computer Science and Economics

Berkeley, CA

Expected 2021

- **Cumulative GPA:** 3.68
- **Relevant Coursework:** Structure and Interpretation of Computer Programs, Data Structures, Computer Architecture, Designing Information Devices and Systems I + II, Discrete Mathematics and Probability, Macroeconomics, Design Methodology

PROFESSIONAL SKILLS

Technical

- Backend: Python, Java, C, Express.js, PostgreSQL, GraphQL
- Frontend: HTML/CSS, Javascript, AngularJS, Node.js, React.js, P5.js
- Mobile: React Native, Android Studio
- Data Science: SQL, Numpy

EXPERIENCES

CodeBase

Full-stack Developer

UC Berkeley

January 2019 – Present

- Working with team of developers to prototype and develop software for clients such as businesses and on-campus organizations
- Conducting regular code reviews to optimize software based on client feedback
- Worked with internal marketing team to design promotional materials for campus outreach activities

Bill.com

Contract Full-Stack Developer

Berkeley, CA

September 2019 – Present

- Prototyping and developing a bill pay portal for Bill.com customers to manage, pay, and edit payments and accounts
- Developing front-end user interface and login page using Angular, HTML, CSS
- Back-end database for account information and vendor details implemented using GraphQL, with Apollo Client, Jest, Cypress

Undergraduate Marketing Association

Design Consultant

UC Berkeley

September 2018 – May 2019

- Created logos, icons, and animations for use in clients' branding materials
- Worked closely with point of contact to respond to any brand positioning and marketing needs of client
- Developed brand book for startup companies such as GigCar to present to investors

STEM Power to Learn

Co-Founder / Teacher

San Jose, CA

July 2016 – August 2018

- Founded the non-profit organization STEM Power to Learn to host workshops and teach computer science to novice coders
- Developed computer science curriculum, from basic logic to syntax
- Ran social media campaigns online to accumulate signups for each workshop
- Mentored student programmers in their first software project

PROJECTS

CalHacks Hackathon Judging Portal

Full-Stack Web

Spring 2019

- Prototyped and developed web app for hackathons to use for managing judge information and standardizing judge matching process
- Implemented judge-facing display using React; back-end server and database for storing judge information using Express and Node
- Software to be used at CalHacks 6.0 hackathon, projected to be the largest collegiate hackathon in the world

MeetUp

Mobile App

Spring 2017

- Developed app for efficiently coordinating spontaneous social outings between friends; won 3rd Place at BaseHACKS hackathon
- Designed and implemented front-end using JavaScript, CSS in Android Studio
- Implemented back-end server for user database and chat room functionality using Firebase

Selection Sort Visualizer

JavaScript App

Spring 2019

- Created interactive app that teaches student the selection sort algorithm by visualizing how the numbers are rearranged
- App implemented using p5 JavaScript library

INTERESTS

Music Production, Urban Dance, Basketball, Traveling