

KEVIN LIN

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EDUCATION

University of California, Berkeley

Bachelor of Science in Electrical Engineering and Computer Science (EECS)

May 2020

Awards: Cal Alumni Association - Leadership Award (2016), President's Volunteer Service Award (2015)

Major GPA: 3.62

Coursework: CS 61A - Structure and Interpretation of Computer Programs, CS 61B - Data Structures, CS 61C - Great Ideas in Computer Architecture, EE 16A/B - Designing Information Devices and Systems I/II, CS 70 - Discrete Mathematics and Probability Theory

SKILLS

Languages: Java, Python, C, HTML/CSS, SQL, Assembly (RISC-V), Scheme (LISP)

Technologies and Libraries: Jupyter, NumPy, Expo, Git, IntelliJ, Eclipse, Mac OS, Windows

EXPERIENCE

UC Berkeley EECS Department

CS 61A/61B Academic Intern

Jan 2017 – Present

- Clarify coding concepts and explain lab questions to students taking UC Berkeley's introductory computer science courses
- Part of a team that helps over 40 students at a time with high question demand during office hours

Pioneers in Engineering

Web Development Team, member

Sept 2016 – Dec 2016

- Updated and developed new features, such as a clickable timeline with competition info, for the club's website: pioneers.berkeley.edu
- Planned and ran an annual cost-efficient robotics competition for over 30 local underprivileged Bay Area high schools

Abitalk

Mobile Application Proofreader

Jul 2015 – Aug 2015

- Compiled and edited word definitions digitally for educational mobile apps, such as vocabulary decks and games for 1st to 6th graders
- Kept communication with CEO through weekly emails to check progress and maintain work efficiency

PROJECTS

Berkel-pee

Oct 2017

- Created a mobile application of a bathroom rating system for gender-inclusive bathrooms at UC Berkeley by implementing a FlatList and utilizing the cloud-hosted database feature of Firebase, using React Native and Expo at Cal Hacks 2017

Bear Maps

Apr 2017

- Built the backend of a web server that generates an appropriate image of Berkeley map area based on the user's zoom using a quadtree
- Implemented A* algorithm to find the shortest path between two locations on the map

Database

Mar 2017

- Designed a relational database management system from scratch using Java that Regex parses user SQL commands such as create, select, store, and join to manage table data

LEADERSHIP

Berkeley ABA – UC Berkeley's Largest Business Organization

Community Service Committee, consultant

Jan 2017 – May 2017

- Researched on Intel's Corporate Social Responsibility (CSR) strengths and weaknesses to develop a strategy to improve Intel's social impact, diversity, environmental sustainability, and supply chain initiatives to appeal to millennials; Intel accepted and implemented my recommendation of grouping CSR initiatives under one common name as "Innovation Generation"
- Designed a creative, social-media-based marketing strategy that appeals to psycho-graphically segmented college students and increases awareness for a career-coaching client, which placed 1st in ABA's internal marketing challenge evaluated by LinkedIn employees

Evergreen Engineering and Computer Science Society (EECSS)

Founder and President

Sept 2015 – May 2016

- Taught Python computer programming, through guided concept-driven mini-projects designed by myself, and electronic devices building, such as portable phone chargers, to over 30 middle and high school kids at my local library
- Arranged community-wide speaking events from guests of top Bay Area companies and universities, such as Google and Stanford, which attracted over 50 attendees
- Self-studied HTML/CSS online and applied knowledge to design website www.eecss.github.io