

Su Min Kim

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EDUCATION

University of California, Berkeley

Expected: May 2022

Bachelor of Arts, Computer Science (STEM Education Minor)

Scholarships: Google Scholar (2019): 1 of 20 recipients nationwide of the Women Techmakers Scholarship, selected to attend Google Scholarship Retreat (40 scholars) focusing on leadership, diversity, and equality in tech

Honors/Awards: National Honorable Mention at the National Center for Women and Information Technology, First Place Hack at Hack RPI (2019), Best Designed Hack at Hack RU (2018)

Selected Coursework: Algorithms, Database Systems, Data Structures, Machine Structures, Foundations in Data Science

PROFESSIONAL EXPERIENCE

Amazon.com, CA (remote)

May 2020 – Aug 2020

Software Development Engineer Intern (Amazon Web Services, EC2 Health Analytics)

- Built a service in Go that dynamically adds classification rules to a system that analyzes failures across all AWS EC2 instances
- Deployed and put this service into use, reducing 8 hours of team's development time per month
- Created a CLI in Go to re-run classifications for specific failures and rules at the request of other team developers

Replate, Oakland, CA (replate.org)

Jun 2019 – May 2020

Software Engineer

- Created user dashboard for recipients using Rails and React.js (used by all 370 recipient users)
- Increased test coverage by 15% with end-to-end/unit tests using Cypress and RSpec, introduced Capybara for better JS testing
- Designed (using Figma) and developed pricing and donation pages, resulting in 10 donations per week
- Implemented a user-centered design process for the engineering team by setting up user interviews and integrating Google Analytics

Software Engineer Intern

- Designed and developed a new user signup process using Rails and React.js
- Developed an ETA (estimated time of arrival) tool using the Onfleet and Google Maps API to improve trust from users

Software.com, San Francisco, CA

Mar 2019 – Jun 2019

Software Engineer Intern

- Designed and developed product pages to maximize downloads for products (extensions for IDEs to track developer productivity) using React.js and SASS
- Developed an authentication process for the extensions to sync with a Software.com account

LEADERSHIP & ACTIVITIES

University of California, Berkeley, Berkeley, CA

Aug 2020 – Present

Undergraduate Student Instructor for CS 186: Introduction to Databases

- 1 of 20 student instructors to teach a total of 590 students
- Teach a weekly mandatory discussion section (25 students) consisting of a mini-lecture, walk-through of problems, and questions
- Hold 1.5 hours of office hours and attend weekly meetings to discuss course direction, write exams, and handle student logistics

Cal Hacks, Berkeley, CA (calhacks.io)

Nov 2018 – Dec 2019

Executive Director

- Led 20 directors + 50 staff members to organize world's largest collegiate hackathon at UC Berkeley (2200 attendees, 36 hours)
- Spearheaded event logistics and partnerships between Cal Hacks, UC Berkeley, and 25 sponsors

PROJECTS

CTF Learn (ctflearn.com)

- Built platform to upload and solve cybersecurity competition problems; developed frontend using HTML, CSS, and JS
- Grew user base to 10,000 users with a team of 4 student developers

BCA GPA ([link](#))

- Developed a Chrome extension that calculates and displays analytics about grades (GPA, etc.) on PowerSchool using Phantom JS
- 1500+ weekly users

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, C, Go, SQL, JavaScript (jQuery, React, Phantom), HTML/CSS (SASS), Ruby on Rails, AWS, Git, Heroku

Design: Figma, Sketch, Adobe Suite, User Research, UI/UX Design, Usability Testing