

Kara I. Rizzardi

krizzardi@berkeley.edu | kararizzardi.com |  linkedin.com/in/kararizzardi |  github.com/kara4600

EDUCATION

University of California, Berkeley

Expected Graduation in 2024

Electrical Engineering and Computer Science (B.S.)

- **Activities/Societies:** Girls Who Code, Association of Women in EE and CS (AWE)
- **Certificates of Achievement:** Program Design, Computer Architecture
- **Relevant coursework:** Object Oriented Programming in C++, Designing Information Devices and Systems (Intro to Machine Learning), Structure and Interpretation of Computer Programs, Intro to Building IOS Apps, UNIX/Linux administration, Data Structures & Program Design, Discrete Mathematics & Probability Theory, X86 Assembly Language

WORK EXPERIENCE

Keysight Technologies — Software Engineer Intern

March 2022 – Present

Fullstack developer on Agile software development team (order management system)

June 2022 – Present

- Developing a fullstack web application capable of storing, updating, and displaying details & tracking data for thousands of company orders in real time
- Leads frontend development – overseeing & guiding a team of 3 other interns through learning a new framework
- Worked closely with stakeholders and project owner to design UI/UX that fits product needs using Figma
- Reduced Webpack bundle size by 48% to improve render time by setting up code splitting
- Wrote and maintains unit tests for API serializers & Django backend, achieving 100% test coverage
- Optimized Rest API resulting in a 54% speed increase by restructuring the serialization process
- Designed and developed custom backend user authentication & authorization system flow to secure the platform utilizing JWTs
- Setup SSO authentication using Microsoft Azure's MSAL React library

Scrum Master

May 2023 – Present

- Utilized Scrum Master principles to lead all four Scrum ceremonies for team of 5 intern developers
- Leveraged Agile best practices to achieve business outcomes & ensure delivery of intern team's commitments

Backend developer (automated server provisioning)

March 2022 – Sept 2022

- Developed tooling using Ansible to improve monitoring & deployment processes for Windows & Linux servers
- Wrote Chef Inspec scripts to audit and test infrastructure on virtual machines
- Automated the manual server compliance & security auditing processes, reducing server deployment times
- Gained a low-level understanding of server provisioning process & cloud computing

PROJECTS

Girls Who Code (2018 – 2020)

- Worked on a team with 12 other girls to advocate for importance of women in technology
- Built website (HTML/CSS/JavaScript) to aid community effort in the fight against the closure of our local library

KaraRizzardi.com

- My custom personal website built using Typescript, Next.js and MUI
- Deployed using Docker and Nginx on an Ubuntu DigitalOcean droplet

Gradehub

- A Swift project which allows UC Berkeley students to plan their course schedules and calculate their GPA
- Uses Firebase SDK for user authentication
- Configured Firebase Realtime Database to allow users to save their information & planned schedules

SOFTWARE SKILLS & AWARDS/HONORS

Proficient: Python, JavaScript, C++, Java, Swift, UI/UX, Linux

Worked with: React, Next.js, Django, Ansible, Chef, Powershell, PostgreSQL, MaterialUI, Nginx, Unicorn

Tools: Docker, Git, Jira, Vim, Figma

Knowledge: Object Oriented Programming, Software Development Lifecycle, Scrum, Agile Methodology, REST APIs

Awards: U.S. Presidential Volunteer Service Award (Gold Level) – For contributing over 500 hours of volunteer work annually