Kara I. Rizzardi

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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:** Advanced Programming in C++ and C, Designing Information Devices and Systems, Structure and Interpretation of Computer Programs, Intro to Building IOS Apps, UNIX/Linux administration, Data Structures & Program Design, Discrete Mathematics and Probability Theory, X86 Assembly Language, Object Oriented Programming in C++ and Java

WORK EXPERIENCE

Keysight Technologies — Software Engineer Intern   March 2022 − Present
Fullstack developer on Agile software development team (order management system)

- Worked closely with stakeholders and project owner to design UI/UX using Figma
- Led frontend initiative—overseeing a team of 3 other interns
- Built out responsive frontend using React and Material UI
- Reduced Webpack bundle size by 48%
- Optimized Rest API resulting in a 54% speed increase
- Designed authentication & authorization system flow
- Setup SSO authentication using Microsoft Azure
- Exposure to CI/CD pipeline

Backend developer on Agile software development team (automated server provisioning)

- Developed automation tooling and server compliance checks to improve deployment processes
- Wrote and maintained unit tests (Pytest)
- Wrote Chef Inspec scripts to audit and test infrastructure
- Exposure to computer networking, cloud platforms, and virtualization technologies
- Gained a low-level understanding of server provisioning process

SOFTWARE SKILLS

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

Worked with: React, Django, Ansible, Chef, Powershell, PostgreSQL, MaterialUI, Nginx, Gunicorn

Tools: Docker, Git, Jenkins, Vim, Figma

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

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 personal website built using Typescript, Next.js and MUI

Gradehub

- A Swift project which allows UC Berkeley students to plan their course schedules and calculate their GPA
- Uses Firebase authentication SDK

AWARDS & HONORS

U.S. President's Volunteer Service Award (Gold Level): For contributing over 500 hours of volunteer work annually