Kara I. Rizzardi

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

EDUCATION

University of California, Berkeley   **Class of 2024**

Electrical Engineering and Computer Science (B.S.)

- **Activities/Societies:** Girls Who Code, Association of Women in EE and CS (AWE), Berkeleytime
- **Certificates of Achievement:** Program Design, Computer Architecture
- **Relevant coursework:** Computer Security, Database Systems, Intro to Machine Learning, Intro to Artificial Intelligence, Internet Architecture, 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**

IT Software Engineer   *Dec 2023 – Present*

- Developing a IT service chatbot using conversational AI and natural language understanding within ServiceNow
- Implemented functionality for users to conversationally submit IT tickets, improving the user experience for thousands of end-users and supporting 14k+ tickets per month (custom process built using JavaScript)
- Designed scalable API abstractions for our conversation platform, supporting all popular chat clients (MSTeams/Slack/Web)
- Works with product management & cross functional teams to create technical solutions for desired user experiences

Fullstack developer   *June 2022 – Dec 2023*

- Developed a fullstack web application capable of storing, updating, and displaying real time tracking data for 22k+ monthly company orders
- Led frontend development – guiding a team of 3 other interns through learning a new framework (React.js)
- Worked closely with stakeholders and project owner to design UI/UX that fits product needs using Figma
- Optimized Rest API by restructuring the serialization process, resulting in a 54% speed increase
- Designed & developed custom backend user authentication/authorization system flow in Python utilizing JWTs
- Reduced Webpack bundle size by 48% to improve render time by setting up code splitting

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

Berkeleytime — Frontend Developer   **August 2023 – Present**

Frontend developer on software development team for UC Berkeley's premier course discovery platform

- Berkeleytime helps over 40,000 UC Berkeley students plan for course enrollment & check grade distributions
- Redesigned berkeleytime.com homepage (viewed by 20k+ users per month) using React.js, CSS, and HTML

PROJECTS

Girls Who Code (2018 – 2020)

- Built website (HTML/CSS/JavaScript) to aid community effort in the fight against the closure of our local library

Gradehub

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

- 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, Gunicorn

Tools: Docker, Git, Jira, Vim, Figma, ServiceNow

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