

# Kara I. Rizzardi

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## EDUCATION

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### 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

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### IT Software Engineer — Keysight Technologies (Contract)

June 2024 – March 2025

*Application Consultant – ServiceNow Developer*

- Developed an IT service chatbot using conversational AI and natural language understanding within ServiceNow
- Acted as a Technical Architect & functional lead, providing direction to development team & assisting product owner in planning work to strategize & build out the product vision
- Worked with product management & cross functional teams to define architectural visions that align business and IT strategies with software implementations
- Played a key role in system design & the Software Development Lifecycle, including coordination with IT's release management team, UAT, SMEs, and all end-users
- 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)

### Software Engineer Intern — Keysight Technologies

March 2022 – May 2024

*Fullstack Developer*

- 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)*

- 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

### Berkeleytime — Frontend Developer

August 2023 – May 2024

*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

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

- Configured Firebase Realtime Database to allow authenticated users to save their information & planned schedules

## SOFTWARE SKILLS & AWARDS/HONORS

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**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, 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