Aditya Ramaakrushnan

925-204-8205 | aditya09@berkeley.edu | adiram359.github.io | github.com/adiram359

EDUCATION

University of California Berkeley — Berkeley, CA
Bachelor of Arts in Computer Science — GPA: 3.80 — Aug 2019 – May 2023

EXPERIENCE

Visa — May 2021 – Present
Software Engineering Intern — Remote
- Developed Kafka streams jobs to filter and map authorization requests for a new billing feature.
- Updated server metrics by making API calls to internal endpoints, fixed Grafana dashboards by writing PromQL queries, and resolved critical code smells by refactoring.
- Used Java, Apache Kafka, and Spring Boot to add internal tags to log files based on multiple environment and server variables, and leveraged MicroMeter to expose Kafka metrics to Prometheus.
- Worked in 2 week Agile sprints under the Issuer Processing Team to complete Jira tickets.

Amtrak — January 2021 – Present
Software Engineering Intern — Remote
- Worked on the Amtrak Rider Mobile App under the e-Commerce team.
- Utilized Angular to built client-side components and leveraged Appium to automate testing.
- Utilized Angular, TypeScript, Appium, Git, and BitBucket.

IEEE (UC Berkeley Branch) — February 2021 – May 2021
Committee Officer and Software Developer — Remote
- Created REST endpoints that authenticated users using Google OAuth and used Node Session Storage to keep sessions alive for valid users.
- Worked on the backend for the UC Berkeley Startup Fair website, which ingested sign-up requests from 50+ attendees, managed student authentication, and updated a MongoDB database.
- Developed scripts to parse and serialize NGINX files asynchronously.
- Worked with Node.js, JavaScript, JQuery, and MongoDB.

Computational Approaches to Human Learning Lab — February 2021 – May 2021
Research Assistant and Software Developer — Remote
- Worked under prof. Pardos on the AskOski platform, which helps Berkeley students plan classes and hit graduation requirements.
- Automated the process of fetching campus data and updating AskOski's database and machine learning models.
- Fixed bugs in the Flask backend by writing SQL queries and re-factored existing Python code.

Beehive — August 2020 – May 2021
Software Developer — Remote
- Utilized user feedback to lead development in fully revamping, Beehive, UC Berkeley's official undergraduate research matching platform, according to UI/UX specifications.
- Implemented routes to connect Ruby on Rails backend with React frontend.
- Integrated search capabilities into the existing dashboard, enabling users to filter research positions by various categories.

PROJECTS

Gitlet | *Java*
- Designed and developed Gitlet, a version control system with the core functionalities of Git.

NumC | *C, Python*
- A python package that uses SIMD instructions to perform parallel matrix operations up to 300 times faster than naive implementations.

Stock Market Simulator | *Python, Flask, HTML, CSS*
- Web app to simulate buying, selling, and visualizing stocks through user-created accounts; Front-end is seen here.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, SQL, HTML/CSS
Tools and Frameworks: Git, React, Node.js, Spring Boot, Apache Kafka, Flask, Angular, MongoDB, pandas