

Harshitha Akkaraju

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github.com/harshitha-akkaraju

Education

University of Washington, Seattle

B.S. in Informatics: HCI and Data Science

Graduating December 2019

3.63 / 4.00 GPA

Skills

- Java • JavaScript • Python • Go • Racket • SQL
- HTML/CSS
- Spring Boot • React • React Native • Redux
- Node.js • Express • TypeScript • RabbitMQ
- Redis • Firebase • Sass • MongoDB
- SQL Server • MySQL • AWS • Git • Docker

Experience

Software Engineer Intern, PayPal

June 2019 – September 2019 | San Jose, CA

- Developed a mobile app for the Core Data Platform's UDC, Unified Data Catalog a metadata store of all Data Stores in PayPal Inc and with over 700 users.
- Removed UDC's dependency on Kibana, an external tool, to obtain UDC usage metrics by developing REST APIs that serve these metrics.
- **Technologies:** Java, Spring Boot, React Native, Redux, TypeScript, Git.

Interaction Programming TA, CSE Department

March 2019 – Present | Seattle, WA

- Helped teach Android development (CSE 340) to a class of 68 university students.
- Prepared and gave classes on topics such as layout/event handling/accessibility, held weekly office hours, reviewed code and developed scripts to automate grading.
- **Technologies:** Java, Android SDK, Git.

Undergraduate Researcher, UW Information School

June 2018 – Present | Seattle, WA

- Defined requirements for a decoupled Python API to score user answers for 6 question types.
- Designed and implemented the user interface for a web app that is used in 2 research studies.
- **Technologies:** Node.js, React, Express, Python, Flask, Firebase, Git.

Projects

CubeRule, Sponsored Capstone

January 2019 – June 2019

Developed a prototype of an AWS based cyber range that showcases 3 common security vulnerabilities that developers might introduce. Worked with 3 other team members to build and deliver this product to Security Innovation, a Seattle based application security firm, in 5 months.

Codeitz, Code and Cognition Lab

June 2018 – June 2019

Helped conduct 2 research studies each with 20+ participants by developing Codeitz, an intelligent CS I concept tutor. Worked with 1 other developer to design and implement the UI and the REST APIs for user modelling.

Leadership

- As an appointed **Outreach Program Director** for **Society of Women Engineers** at UW, I helped expand the image of technology as a rewarding career choice by organizing 3 events that attracted 100+ K-12 students.
- As an elected **Directory Diversity Efforts** for **Women in Informatics**, I helped facilitate conversations about inclusion by organizing panels, information sessions and a Protothon for 40+ high school students in Seattle.