Rui Zhang

Software Engineer

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Education

Rutgers University

Undergraduate B.S. in Computer Science

Expected graduation 2019

Work Experience

Summer Technical Analyst at Royal Bank of Canada

June 2018 to August 2018, Jersey City NJ

- Designed and implemented API catalogue and monitoring system using Django, SQL (backend), ReactJs, and SCSS (frontend).
- Collaborated with other interns in an Agile environment, which promoted peer-to-peer and management communication as well as personal accountability.

Software Developer at Rutgers OSS-OIT Mobile Express Server

January 2017 to Present, Rutgers University, Piscataway NJ

- Oversee development of the Express.js backend server for mobile applications
- Aggregate data from our clients' APIs and establishes a unified query format in order to adapt to API changes
- Implement model that allows for better transit predictions by correcting for the error between predicted arrival times given by the external API
- Integrate Firebase Cloud Messaging Service to notify users of transit arrivals and departures
- Technologies Used: Node.Js, Express.Js, Docker, Nginx, MySQL

Mobile Developer at Rutgers OSS-OIT Android Mobile Application

January 2017 to Present, Rutgers University, Piscataway NJ

- Oversee Android Development of the Rutgers University Mobile Application, which serves 30,000+ users daily
- Implement major revisions and feature updates such as UI/UX upgrades to enhance usability
- Manage future targets, goals, and deadlines for the Mobile Team
- Technologies Used: Java, Android, RxJava, RxAndroid

Activities

Undergraduate Student Alliance in Computer Science (USACS) Mentor

- Help undergraduates understand their course material and provide mentorship and guidance in other computer science related areas.

HackRU Slackbot Developer

- Developed Slackbot for HackRU (Rutgers University Hackathon) to facilitate collaborative efforts between students and attendees.

Skills

LANGUAGES
- Python
- Java
- Javascript/Typescript
- C
- Kotlin
- SQL
- HTML/CSS3

FRAMEWORKS
- Flask
- Express.js
- Node.js
- RxJava
- MySQL
- Nginx
- Docker
- Android

TOOLS
- Vim
- Git
- Bash

OS
- Linux/Unix Systems
- macOS

Relevant Coursework

- Data Structures
- Computer Architecture
- Systems Programming
- Intro. to A.I.
- Principles of Info. and Data Management
- Design and Analysis of Computer Algorithms