Shantao Ru

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Website: https://ataorr.github.io **Linkedin:** https://www.linkedin.com/in/ataorr/ **Github:** https://github.com/ataorr

Education

UNIVERSITY OF CALIFORNIA, BERKELEY
B.A. Computer Science.
B.A. Data Science (Minor)

(GPA 3.5) | 2021-2024
Course: Data Structures, Data Analysis, Probability, Computer Architecture, Computer System, Database Management, Computer Security.

Work Experience

AMAZON | SAN DIEGO, CALIFORNIA
SDE INTERN (AWS & BACKEND) | 09/2022 - 12/2022

- Migrated Transship Info Management Services to NAWS using **Lambda, API Gateway, Amazon SNS, Route 53 DNS and DynamoDB,** reduced **30%** operating cost than previous infrastructure.
- Created **pipeline** workflow from alpha stage to prod stage with different global regions.
- Configured **Dependencies Injection** for service using **Google Guice.**
- Set up API gateways, wrote end-to-end testing and set up metrics and alarms on **Cloudwatch**

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ADP | PASADENA, CALIFORNIA
SOFTWARE ENGINEER INTERN (FULL-STACK) | 06/2022 - 08/2022

- Implemented **Single-Sign On(SSO)** feature for internal DevOps tools website for over **1000+** user.
- Backend: Constructed user authentication service using **Python Flask** framework and **Azure AD**.
- Frontend: Created new user login interface using **ADP OneUX** UI and **Angular framework.**
- Designed workflow, communicated and cooperated with 10+ engineers from different teams to push project forward.

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KAISER PERMANENTE | PASADENA, CA
SYSTEM SOLUTION & DEPLOYMENT INTERN | 06/2023 - 09/2023

- Pioneered the conception and implementation of a mobile testing framework for Evist, guiding the entire process from inception through deployment. Employed a skill set with **Appium**, **Python**, **Xcode**, and **Jenkins**.
- Applied SQL in conjunction with Oracle Developer and **SAS** to perform extensive analysis on database.
- Leveraged **UIPath** to create automation scripts tailored for **Epic Hyperspace**, resulting in an **80% reduction** in manual data entry and marked enhancement in operational efficiency.

Skills

Programming Language: Java, Typescript, Javascript, C#, C++, Python, Pandas, SQL
Web Development: Angular, React, HTML, CSS, Restful API, NodeJS, Python Flask, Google Guice
Tools: AWS, Azure, MongoDB, Git, Linux, Jupyter, VS Code, IntelliJ, Jira, Confluence, MS Office, SAS, Appium

Project Experience

- Custom Logo Maker (C++, SFML) - A program that allow user to create custom logo and save as jpg on the computer. Build with C++ and SFML.
- Personal Website - An personal portfolio deployed on GitHub pages using Nodejs, Gatsby, React (Typescript, HTML, CSS).
- Gitlet (Java, DFS)- Developed a mini version-control system, implementing many features in Git such as adding, committing, branching, switching between branches, and merging.