

# Shantao Ru

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**Linkedin:** <https://www.linkedin.com/in/ataorr/> **Github:** <https://github.com/ataorr>

## Education

### UNIVERSITY OF CALIFORNIA, BERKELEY

B.A. Computer Science.

**(GPA 3.5) | 2021-2024**

Course: Data Structures, Data Analysis, Probability, Computer Architecture, Computer System

### PASADENA CITY COLLEGE

A.A. Computer Engineering

**(GPA 3.6) | 2018-2021**

Course: Data Structures Java, Computer Assembly Language, Intro to C++, Java, Python

## Work Experience

### AMAZON | SAN DIEGO, CALIFORNIA

**SDE INTERN (AWS & BACKEND) | 09/2022 - 12/2022**

- Migrated Transship Info Management Services to AWS 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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### YU YAO MD. | SAN GABRIEL, CA

**IT SUPPORT SPECIALIST | 09/2018 - 12/2021**

- Offer technical support to company and performs data collection and analysis assignments.
- Use **Python** and **Excel** to analysis monthly patients status list. Notify manager if large amount patients drop.
- Review diagnostics and assess the functionality and efficiency of computer hardware & systems.

## 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 EC2, Azure, MongoDB, Git, Linux, Jupyter, VS Code, IntelliJ, Jira, Confluence, MS Office

## 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.
- **Gitlet** (Java, DFS)- Developed a mini version-control system, implementing many features in Git such as adding, committing, branching, switching between branches, and merging.
- **Enigma**(Java)- Developed a representation of the Enigma Machine that Germany used to encrypt messages in World War II.