Leyi Cao

415-254-2426 | leyicao@gmail.com | linkedin.com/in/leyi-cao | github.com/leyicao

EDUCATION

University of Pennsylvania — Philadelphia, PA
Master of Computer and Information Technology — *Sep 2021 – May 2023*
Coursework: Data Structure and Software Design, Algorithms, Optimization Mathematics, Linear
Programming, Object Oriented Design and Programming, Machine Learning for Data Science.

Guangdong University of Foreign Studies — Guangzhou, China
Bachelor of Management — *Sep 2010 – June 2014*

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), NoSQL(MongoDB, DynamoDB), JavaScript, HTML/CSS
Frameworks: React, Angular, Node.js, Django, Spring boot
Developer Tools: Git, Docker, AWS(EC2, DynamoDB, S3, Lambda), FastAPI, XCode, VS Code, PyCharm, Eclipse, Postman
Libraries: Pandas, NumPy, Matplotlib

EXPERIENCE

Software Developer, Intern — May 2023 - Aug 2023
Fully Rental Services LLC — *Remote*

- Maintained track of customer response/logs by integrating microservices with **Amazon DynamoDB** to connect and harmonize customer data.
- Utilized **Amazon S3** to create and manage buckets for storing trip photos and message backups.
- Enhanced the connection rate by involving sending automated emails/notifications to customers with **Python** libraries **smtplib** and **MIMEMultipart** object.
- Constructed an internal platform using **JavaScript** and **React** to facilitate accounting use and generate business reports.
- Creation of POCs and architecture for upcoming engagement.

Associate Software Engineer, Part-time — Aug 2021 - Jan 2023
Afficient Academy — *Remote*

- Identified trends and patterns to establish key measures such as growth/retention rate to evaluate the performance of current business model by fetching, cleaning, and analyzing 5,000+ students' data from complex data sets stored in **MongoDB** using **Python** with **Pandas** and **Matplotlib** libraries.
- Reduced testing time 50% and increased test coverage 25% by developing scenarios, test cases, and test code in Python using **PyCharm** and **unittest** for new features of both products and internal dashboards to ensure the feature's performance.
- Enhanced user satisfaction 40% by designing/developing 10+ software applications based on user stories, requirements, and design specifications.
- Utilized **Jira** and Confluence to track progress and communicate with team members
- Developed and maintained software solutions for clients using **Agile** methodologies
- Collaborated with cross-functional teams to ensure timely delivery of high-quality products

PROJECTS

Restaurant Online Web Development | *Python, JavaScript, Django, MySQL, Redis* — April 2023 - July 2023
- Created a **REST** API of a restaurant, including modules such as users, reservation systems, menu ordering, dish ratings, etc.
- Used **Redis** for asynchronous tasks and to cache frequently accessed data on **MySQL** database, shortening response time by 30%.
- Automated all builds and deployments by establishing **CI/CD** pipelines with **Github** and **Docker**.

Travel Guide in Covid | *JavaScript, React, MySQL, AWS, Git* — Jan 2022 – May 2022
Quiz Online Web Development | *Java, Spring boot, MySQL, Git* — Sep 2021 – Feb 2022