

Zhu Qianzhen Jason

Email: qz61720@citi.com

Phone Number: 18019209074

Summary

Software engineer with Master's Degree in Computer Engineering. 1-year experience as software engineer in Insight Platform. Knowledgeable in programming languages including Java and Python, experienced in data analysis and spring boot application.

Education

University of Toronto, Canada

Sep. 2019-Nov. 2021

Master of Engineering

Emphasis: Computer Engineering & Analytics

GPA: 3.6/4.0

Courses: Computer Security, Introduction to Cloud Computing, Foundations of Data Analytics and Machine Learning, Decision Support Systems, Algorithms and Data Structures

Hohai University, China

Sep. 2015-Jun. 2019

Bachelor of Engineering in Automation

GPA: 3.4/4.0

Courses: Foundation of Database Principles, Foundation of Artificial Intelligence, Computer Vision

Work Experience

Citigroup Service and Technology Limited, China

Jul. 2022- Present

Software Engineer

- Participated in feature development of the project.
- Managed to establish a demo project alone.
- Experience with web application, data engineering and ETL development, previous exposure to spark.
- Implemented some small features using Angular.

Project Experience

Security Hackathon

Apr. 2023- May. 2023

- Implemented a security pattern at microservice endpoint level to prevent unauthorized access using Springboot, Eureka and Zuul Gateway.
- User with different roles can access customer service or management service.
- Authorization and authentication of users are implemented by sending request to entitlement service.

Web Application with Object Detection

Jan. 2021- Apr. 2021

- Created a web application with object detection and dynamic resource management feature.
- Implemented backend of the web application with Flask and OpenCV, using S3 bucket to store data.
- Deployed the application on AWS EC2 instances.
- Managed to adjust computational resource dynamically using AWS Load Balancer.
- Users can create and login to their accounts to upload or save pictures, and site administrator can manage resource easily.

Skill

Technical Skills:

Python, Java, Oracle, Springboot, Machine Learning, Linux, Spark, Shell, HTML, Angular, Flask

English Skill:

Fluent English, TOEFL: 101, GRE: 320