**Zhu Qianzhen Jason**

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**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