# SIYANG LI

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## EDUCATION

**The Ohio State University, Columbus, OH**                                        GPA: 3.91/4.00
*Master of Science in Electrical and Computer Engineering*                   Aug 2018 - May 2020
**Relevant Coursework:**   Data structures and Algorithms (CSE 5331), Computer Architecture and Design (ECE 5362), Cumputer Communication Network (ECE 6101), Introduction of Data Mining (CSE 5243), Probability and Random Variables (ECE 6001)

**China Agricultural University, Beijing, China**                                   GPA: 3.44/4.00
*Bachelor of Engineering in Electrical Engineering and Automation*            Sep 2014 — Jun 2018

## SKILLS

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|---|---|
| **Programming Languages** | Java, Python, Go, C/C++ |
| **Database** | MongoDB, Redis, MySQL, PostgreSQL, Microsoft SQL |
| **Frameworks** | Spring Boot, Apache Hadoop, Django, Spring Security, React |
| **Tools** | Docker, Kubernetes, Nomad, AWS, Apache Hive, Apache Spark, Apache Flink, Ansible, Splunk, Consul, Jenkins, Git, Jira, Pyspider |

## EXPERIENCE

**Visa Technology & Operations LLC.**                                              Austin, TX
*Senior Software Engineer*                                                  May 2022 - Present

- Redesigned and optimized model onboarding flow, significantly reducing model onboarding time from 2 months to just 1 week.
- Rehosting VISA Authorization model onto a microservice-based AI platform from IBM mainframe, saving 3 million dollars.
- Developed new platform capabilities to support Visa Deep Authorization product, enabling real-time fraud detection during transactions with sub millisecond latency. Achieved high performance, processing up to 65 thousand transactions per second, while ensuring large scalability and 5 9s-reliability.
- Support highly available global production deployment across 3 data centers.

**Michaels Stores, Inc.**                                                          Irving, TX
*Software Development Engineer Back End 3*                                   Sep 2020 - Apr 2022

- Designed and implemented B2B order service using Spring Boot and MySQL, generating $ 1.1M in revenue.
- Migrated B2B order database from PostgreSQL to MySQL and saved business cost by over $ 50k.
- Added feature and supported Michaels custom frame application Design Hub using React.
- Implemented authorization service for all B2B outbound APIs with JWT using Spring Security OAuth2.
- Built internal product management system using Spring Boot and MongoDB, which stores over 50k items' information.

**Tencent**                                                                   Shenzhen, China
*Software Engineer Intern*                                                   May 2019 - Aug 2019

- Implemented RESTful flask API to encapsulate word segmentation service for internal use.
- Implemented data crawlers using Pyspider and collected data from 25 financial websites for financial public opinion service.
- Drove raw data cleaning over 300 million text information for model training of entertainment notification service.

## ACADEMIC EXPERIENCE

**Food Ordering Application Based on Spring Boot**
- Developed a food delivery web application using Spring Boot.
- Utilized Redis and Cookies to handle distributed session issue.
- Implemented authentication service with JWT using Spring Security.
- Built notification push service with Websocket.
- Utilized Redis distributed lock on food items to handle high concurrency situation.