MICHAEL XIE

Software Engineer

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📞 2625276438

📍 Chicago, IL

EDUCATION

Statistics, Economics
Computer Science Minor

University of Wisconsin

📅 2014 - 2018

📍 Madison, WI

SKILLS

- Python, Java, R, Javascript, Sprint Boot, SQL, ETL, XML, REST API, Docker, CI/CD, Jenkins
- AWS, Lambda, Serverless Applications, Step Functions, EC2, EMR, S3, SNS, SQS
- Pandas, Pyspark, Scikit-Learn, Drools, Git

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (Level 2, C02)

ACTIVITIES

- Tennis
- Marathon Running
- Home Cooking
- Photography and Videography

WORK EXPERIENCE

Capital One

Senior Software Engineer

📅 May 2022 - current   📍 Chicago, IL

- Designed and developed robust ETL pipeline using AWS Step Functions to process large volumes of credit card applicant data with an emphasis on modularity
- Implemented standardized configuration options and parameterization, allowing other teams to easily customize the pipeline for their specific data needs without extensive engineering effort
- Worked with internal stakeholders and enterprise partner to standardize and ensure data security and compliance with industry standards, incorporating encryption and access controls into the ETL pipelines

Software Engineer

📅 August 2019 - May 2022

- Deployed new communication strategy (Call, Email, Text) for accounts past due using "Drools" business rules management package in Spring Boot
- Developed a system that automated updates in credit card application business logic eliminating the need for manual intervention by engineers
- Contributed to the development of new Fraud features that incorporated advanced business logic, reducing applicant fraud risk, driving higher credit card application volumes and increased revenue

Northwestern Mutual

Operations Lead (Contractor)

📅 August 2018 - August 2019   📍 Milwaukee, WI

- Managed the successful deployment of internal mobile applications on iOS and Android using the Microsoft Intune platform in Azure
- Functioned as a Tier 3 support specialist, resolving complex mobile-related issues for end-users and established a knowledge base of common issues and solutions
- Acted as the primary liaison between the offshore development team and the onsite company stakeholders, facilitating effective communication and collaboration, preparing slide decks weekly for issues, impediments, and accomplishments

PROJECTS

FourKube

- Co-founded and developed "FourKube," an ML-based algorithm and platform (www.fourkube.info) that utilizes NLP of stocks and financial headlines to predict stock price movements ahead of earnings releases.
- Our original and proprietary NLP algorithm is hosted on AWS Lambda and S3 to ensure cost effectiveness and has achieved success in consistently outperforming the S&P500 index
- Grew the user base to around 80 paid monthly subscribers through effective marketing campaigns via social media and word-of-mouth