Joshua Qian

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EDUCATION

Emory University
Bachelor of Applied Science, Computer Science and Mathematics with Business Minor
May 2025
Relevant Courses: Data Structures and Algorithms, Computer Concepts and Applications, Calculus II/III, Linear Algebra, Systems Programming, Linear Optimization, Statistics, AI, Database Systems, Machine Learning, Numerical Analysis, Deep Learning, Corporate Finance

Technical Skills

- Certifications: AWS Certified Cloud Practitioner, Web Development, Akuna Capital Options 201 / 101
- Java, Python, SQL, HTML, JavaScript, C, Assembly, Concourse CI, Spring Boot, Kafka, Hibernate, Git, Agile

Projects

- Wingman Hackathon: Created an AI assistant to help with and answer questions regarding contractor management.
- Diabetes Classifier (Python): Design several machine learning models and test their ability to predict cases of diabetes based on other available health indicators.
- Portfolio (HTML, CSS, Javascript): Created an online portfolio and hosted it on Netlify

WORK EXPERIENCE

Nationwide
Software Engineering Intern
May 2024 – August 2024
- Built an integration service using Java Springboot to monitor application activity and generate files
- Uploaded files to an FTP server using Apache Camel
- Built and maintain a CI/CD pipeline using Concourse
- Utilized Apache Kafka for real-time event streaming and processing to generate and consume messages
- Utilized Spring JPA and Hibernate to integrate and manage multiple data sources.

Algory Capital
Quantitative Derivatives Analyst
Sept 2023 - Present
- Study options trading and perform market analysis to guide investment of $100k+ of Emory endowment

Emory Goizueta Business School
Research Assistant for Dr. David Schweidel
Dec 2023 – May 2024
- Used AI to assist in marketing for local businesses
- Scraped data from Instagram posts and convert to embedding space to determine features for virality
- Used embeddings as inputs for generative models to create viral social media posts

TCL Industries
AI/Machine Learning Intern
June 2023 – July 2023
- Built a web scraper to retrieve product reviews from an online marketplace.
- Built an LSTM model and trained it to perform a sentiment analysis on product reviews.

ADDITIONAL INFORMATION

Honors & Awards: 2x All-American Scholar, Columbus Dispatch Top Male Scholar-Athlete, AJGA Scholastic All-American, Academic Varsity, PING All-Region Team
Interests: Emory Varisty Golf Team, CodeEmory, Chess, Table Tennis Club, Ohio State Athletics, Travel