

Joshua Qian

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EDUCATION

Emory University

Bachelor of Applied Science, Computer Science and Mathematics with Business Minor

May 2025

Cumulative GPA: 3.6/4.0

Relevant Courses: Data Structures and Algorithms, Computer Concepts and Applications, Calculus II, Calculus 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, Udemy Web Development, Akuna Capital Options 101
- Java, Python, SQL, HTML, JavaScript, C, Assembly, Concourse CI, Spring Boot, Kafka, Hibernate, Git, Agile

Projects

- 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
- iTunes Playlist (Java): Utilized object-oriented programming to create a playlist with episode objects and implement necessary functions.

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.

Emory Goizueta Business School

Research Assistant for Dr. David Schweidel

Dec 2023 - Present

- 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

Algor Capital

Quantitative Derivatives Analyst

Sept 2023 - Present

- Study options trading and perform market analysis to guide investment of \$100k+ of Emory endowment

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 Varsity Golf Team, CodeEmory, Chess, Table Tennis Club, Ohio State Athletics, Travel