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, Computer Architecture/Machine Programming, Linear Optimization, Microeconomics, AI, Database Systems, Machine Learning, Numerical Analysis

Technical Skills

- Certifications: AWS Certified Cloud Practitioner, Udemy Web Development
- Programming Languages: Java, Python, SQL, HTML, JavaScript, C, Assembly, CSS
- Technologies: AWS, Microsoft Office
- Operating Systems: Windows, Linux
- Other: Object Oriented Programming, PostgresSQL, GitHub, Solver, NLP, Scrapy

Projects

- iTunes Playlist (Java): Utilized object-oriented programming to create a playlist with episode objects and implement necessary functions.
- Pacman (Python): Implemented AI search algorithms in Pacman game to find most desirable paths
- Tall Trucks (Java): Used Hash Tables and implemented Dijkstra's algorithm to find optimal paths given a set of constraints
- Blackjack (Java, JavaScript): Created a blackjack game from scratch
- ArtistDB (SQL): Designed a relational database to connect artists, songs, albums, record labels, collaborators, etc.
- ArtistBrowser (Java): Created implementation for JDBC and designed queries to search through ArtistDB

WORK EXPERIENCE

Algory Capital
Junior Quantitative Analyst
Sept 2023 - Present
- Build predictive models to guide our management of $100k+ of the Emory endowment
- Apply mathematical methods to identify profitable investment opportunities
- Gain hands on experience with quantitative investment strategies

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.

Sycamore Growth Group
Tax Consulting Intern
July 2022 – Aug. 2022
- Conducted research on legislation and assembled findings in a presentation used to claim tax credits.
- Exercised strong leadership and communication skills to effectively work with a team of interns.

ADDITIONAL INFORMATION

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