

## Joshua Qian

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### EDUCATION

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#### Emory University

##### Atlanta, GA

*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

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- 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, PostgreSQL, GitHub, Solver, NLP, Scrapy

#### Projects

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- 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
- Catalan Sequence (Assembly): Created a program to find any given number of the Catalan Sequence in Assembly
- 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
- Memory (C): Created a program to calculate the result of matrix multiplication in C while interacting with memory and utilizing pointers. Created implementation of a queue in C.

### WORK EXPERIENCE

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#### 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

##### Columbus, Ohio

*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

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**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