Michael Scott

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OBJECTIVE STATEMENT

Upcoming computer science generalist skilled in data science, parallel programming, and reverse engineering, in pursuit of professional experience in software development and web development.

EDUCATION

University of Georgia, Morehead Honors College — Athens, GA
Bachelor of Science in Computer Science — May 2026
Mathematics Minor, Applied Data Science Certificate, New Media Certificate
GPA: 3.99, Dean's List, Presidential Scholar

RELEVANT COURSEWORK

Database Management, Algorithms, Data Structures, Web Programming, High Performance Computing

SKILLS

Programming Languages: C#, Python, JavaScript, Java, C
Frameworks: React, Tailwind, .NET, SpringBoot, JDBC, CUDA, JSQL Parser
Software: Visual Studio Community, Visual Studio Code, Git, SourceTree, Google Docs, Google Sheets, Ghidra, ImHex
Databases: MySQL, MongoDB
Soft Skills: Problem Solving, Collaboration, Organization

INVOLVEMENT EXPERIENCE

EcoReps, *Member* — August 2024 - *Present*

- Educated 100+ other UGA students about environmental and social sustainability at 10 events throughout the school year to further the University of Georgia's Sustainable Development Goals.
- Coordinated with residence halls to borrow tables and reserve space to host 3 waste drive events to spread awareness of the Center for Hard to Recycle Materials.
- Attended 3 panels at the Southeastern Student Sustainability Conference to further professional knowledge of sustainability.

Fantasy, Gaming, and Sci-Fi Club, *President* — August 2021 - May 2022

- Directed discussion amongst and collaborated with 12 officers to plan engaging bimonthly club meetings and supported students' sense of belonging.
- Delegated responsibilities amongst officers to appeal to 150+ students and manage available space for 2 hours per meeting.

PROJECT EXPERIENCE

Database Querying System, *Database Management* — March 2025 - May 2025

- Created a basic database querying system frontend using JSQL Parser to further knowledge of professional database management systems.
- Implemented predicates, grouping, aggregate functions, and joins through the visitor pattern.
- Tested system on 34,000 rows of data to ensure functionality.

CUDA Johnson's Algorithm, *High Performance Computing* — November 2024 - December 2024

- Identified serial bottlenecks in Johnson's algorithm for solving all-pairs shortest paths problems and planned how to address them.
- Implemented massively parallel alternatives using CUDA to achieve a 95% reduction in processing time.

HONORS AND AWARDS

Presidential Scholar, *University of Georgia* — December 2023
Presidential Scholar, *University of Georgia* — May 2023
Dean's List, *University of Georgia* — December 2022