

Matthew McGowan

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Results driven computer science graduate focused on backend development.

PROFILE

With a strong dedication to advancing technology and software engineering, I am a computer scientist ready to take on challenges. My background is marked by my ability to work efficiently and to satisfy business outcomes. I am eager to contribute and deepen my skills within your team. For a more detailed overview of my skills and experience, please visit my GitHub: <https://github.com/Mattmcgoo>

EDUCATION

Bachelor of Science, Computer Science

Wayne State University, Detroit, MI

GPA: 3.46/4.00, 3.59/4.00 in CS

Graduation: December 2023

Selected Coursework: Computer Science I & II, Problem Solving and Programming, Fundamental Structures in Computer Science, Ethics in Computer Science, Java Programming, Computer Architecture and Organization, Algorithm Design and Analysis, Software Engineering, Computer Operating Systems, Web Technology, Game Programming & Design, Computer Graphics, Human-Computer Interaction

SKILLS

Backend: C, C++, C#, Java, Python, SQL, Firebase, Amazon S3, Apache Tomcat

Frontend: HTML, CSS, JavaScript, Dart,

Miscellaneous: Git, GitHub, Linux

PROJECTS

Atlas Fitness Media

Wayne State University, Fall 2023.

Technologies: Flutter, Dart, Firebase

- Collaborated in a team of 5, deployed fitness application to the iOS AppStore 1 month ahead of time.
- Integrated Firebase database for user data management and authentication supporting at least 1,000 users.
- Created daily tracking for user nutrition, weight, and exercises with weekly graphical progression for each.
- Conducted unit, integration, and system testing resulting in a 99% reduction in reported errors.

OpenGL 3D Graphics Modeling

Wayne State University, Winter 2023.

Technologies: C++, OpenGL

- Program to generate 3D graphic scenes, focusing on reading, and processing geometric models represented by triangle meshes from object mesh files.
- Added advanced local illumination and shading techniques, accommodating multiple light sources to enhance the visuals of 3D scenes.
- Integrated texture mapping for object meshes, improving the graphical detail and realism of 3D models.

MySQL NFT Website

Wayne State University, Fall 2022.

Technologies: Java, SQL, HTML, CSS, JavaScript

- Built a web-based marketplace for trading NFTs using HTML and CSS.
- Created a database using SQL for managing user registration, login, NFT creations, sales, and transfers.
- Conducted database interactions for the website and the database using Java.

Secure Linux File Transfer System with Amazon S3

Wayne State University, Summer 2022.

Technologies: Linux, Bash, Amazon S3, AES-256-CBC Cipher

- Developed encryption and decryption logic using AES-256-CBC cipher in Bash scripting for Linux.
- Deployed a standalone AES-256-CBC encryption system with Amazon S3 APIs for secure file transfers.
- Mounted Amazon S3 buckets as local directories on Linux, allowing for file transfers to and from the cloud bucket on the local file system.

EXPERIENCE

Grocery Store Associate

Aldi, Woodhaven, MI, October 2022 – Present

- Worked together in a team of five providing exceptional customer service.
- Exceeded company expectations for cashiering speeds by reaching a goal of 45 items scanned per minute.
- Operated cash registers, accurately handling transactions.
- Stocked shelves and maintained product availability.

Warehouse Associate

Amazon, Romulus, MI, October 2021 – January 2022

- Met expectations of quickly storing packages, reaching an accomplishment of 300 packages per hour.
- Sorted packages into labeled bins meeting tight deadlines supporting the move of over \$300,000 in value daily.
- Quickly moved packages from conveyor belts to shelves supporting team member stowers to meet deadlines.