Michael Carroll

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EDUCATION

Florida State University, Tallahassee, FL   **May 2026**

Bachelor of Science in Computer Science – (Honors Student)

- **GPA:** 3.82, Dean's List Fall 2022 – Spring 2024
- **Relevant Coursework:** Data Structures and Algorithms I & II, Computer Organization, Full-Stack Development in C#, Discrete Math I & II, Computer Network Systems and Administration, Advanced Programming in Java
- **Extracurricular:** ACM Programming Club, Google Developer Student Club, FSU Pickleball
- **Awards and Scholarships:** Florida Academic Scholar 100% Tuition, L3Harris Undergrad Scholarship, NSF S-STEM Scholarship Organization, Dean's List, Upsilon Pi Epsilon

EXPERIENCE

Diverse Computing Inc. – Software Engineer Intern   **January 2024 – Present**

Skills: HTML, CSS, GitHub, Thymeleaf, Spring Boot, React, Microsoft SQL Server,   *Tallahassee, FL*
PostgreSQL, JavaScript, Java, TypeScript

- Developed efficient, maintainable code adhering to best practices, facilitating easier updates and scalability. Tested my code to identify and fix issues early, ensuring robust and reliable software performance.
- Resolved critical bugs in applications handling sensitive data, ensuring data integrity and application reliability.
- Improved various applications by incorporating client feedback and ensuring optimal functionality and performance.

Florida State University – IT Support Specialist   **August 2023 – January 2024**

Skills: Freshdesk, Sharepoint, ScreenConnect, LanSweeper, Piston   *Tallahassee, FL*

- Provided software and operating system support to Florida State athletic staff through remote assistance using ScreenConnect and on-site troubleshooting.
- Managed an instant replay system utilizing Piston, enabling multiple camera angle replays for sport officials during NCAA Football, Volleyball, Soccer, and Baseball events.

PROJECTS

- **PickleBOT –** *https://thepicklebot.vercel.app/*
  - Used MongoDB, ExpressJS, React + Vite, and NodeJS to create an appealing full stack application with user authentication and security to protect documentation about pickleBOT on the web app.
  - My goal was to automate the reservation of courts by running a script. Outperforms the average user so that a court will be reserved before it sells out.
  - Used Puppeteer to create an automation bot that reserves Pickleball courts in Tallahassee for the FSU Pickleball club at a specific time on specific days.

- **Hashtable User/Pass (Data Structures Project) -** *https://github.com/Michaelc322/Hashtable-Implementation*
  - Implemented a hashtable given the header file in my Data Structures class using a vector of lists with a pair that represented a username as the key and the password as the value.
  - Implemented functions that create users, read users, update users, and delete users.
  - Constructed with C++

- **MyMovie Sandbox Application –** *https://github.com/Michaelc322/MyMovie-Sandbox-Project*
  - Demo project for Diverse Computing Inc. demonstrating proficiency in Spring Boot, Thymeleaf, React, JWT Tokens, Spring Security, and PostgreSQL.
  - Allows authenticated users to search for movies, add movies, add actors to movies, and view all movies.
  - Perform basic CRUD actions with a PostgreSQL database using Java Database Connectivity.

CERTIFICATIONS

- **Amazon Web Services (AWS) Certified Cloud Practitioner**   **June 2024**

RELEVANT SKILLS

Languages: C++, JavaScript, Java, C#, HTML, CSS, SQL (PostgreSQL, Microsoft SQL Server), Typescript
Frameworks: React, Spring, Spring Boot, ExpressJS, jQuery, Thymeleaf, AngularJS, Material-UI, Node.js
Developer Tools: Git, GitHub, AWS, VSCode, VisualStudio, IntelliJ, Trello