

Mitchell Comer

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Education

Georgia Institute of Technology (Transfer)

Atlanta, GA

Bachelor of Science in Computer Science, concentrated in Intelligence/Modeling and Simulation

Expected May 2027

- Relevant Coursework: Linear Algebra, Objects and Design

University of Massachusetts

Amherst, MA

Bachelor of Science in Computer Science, GPA: 4.0

May 2024

- Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Calculus I/II/III, Reasoning Under Uncertainty

Skills

Programming Languages: Java, Python, C#, C, C++, SQL, HTML, CSS, Nix

Frameworks and Libraries: Scikit-learn, Pandas, NumPy, Matplotlib, Joblib, Junit

Tools and Platforms: Git, Github, VSCode, Anaconda, Linux, CMake, Agile Methodologies, UML(Draw.io), Android Studio

Certifications: IBM Cybersecurity Fundamentals, SQL Essential Training

Relevant Experience

Hytech Racing - Software Division

Atlanta, GA

Developer

August 2024 – present

- Leading the development of Unit Tests/Documentation for Main Control Unit deployed on car microcontrollers in C++, improving code reliability
- Assisting in the development of an MCAP offloader service in python, facilitating the transfer of critical vehicle data to cloud storage for analysis
- Contributed to documentation about Nix, CMake, and C++ best practices to support future members

Work Based Learning Alliance

Hingham, MA

Cybersecurity Intern

August 2023 - August 2023

- Investigated and evaluated the severity of weaknesses in a website based on a security scan to research potential solutions
- Presented recommended solutions to my supervisor and enabled the resolution of the 20+ identified threats

RGB Computer Solutions

Hingham, MA

Intern/Technician

October 2022-March 2023

- Interpreted Windows and Macintosh operating system issues with 2+ computer systems a day in order to repair and optimize them
- Guided customers step-by-step through their technological issues to educate them, reducing future repeat service requests

Projects

Elemental Survivor

May 2024 - Present

- Designing and Developing a 3D story-driven puzzle game, by conceptualizing advanced game mechanics to engage players
- Optimizing game performance through ongoing code refinement and best practices in memory management to ensure a seamless player experience
- Engineered a robust event-based system architecture in Unity, with currently over 60 C# scripts developed that implement key game functionalities, with a strong focus on object-oriented programming principles

Personal Portfolio Website - Comerm28.github.io

October 2023 – November 2023

- Developed a personal portfolio website from scratch, showcasing technical qualifications such as version control and expertise in multiple programming languages
- Integrated 2 data analysis projects into a dedicated section called "The Lab," showcasing skills in data manipulation, visualization, and statistical analysis

Extracurricular and Leadership Experience

GT Finance Society

Atlanta, GA

Member – Attend weekly financial literacy workshops, Learn from industry leaders and companies about finance in industry

American Legion Massachusetts Boys State

Easton, MA

Election Official – Learned leadership, economics, and politics in seminars, Directed elections and kept integrity in mock government processes

Beth Israel Medical Center in Boston and Suburban Home Health

Hingham, MA

Organizer/Volunteer - Planned Hingham community efforts and donations for war in Ukraine, Volunteered receiving, organizing, and cataloguing items totaling \$1,000+ received, recognized by Polish White Eagle(newspaper in Poland)