Scott Fortune

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(508) 212 - 8019

EDUCATION

University of Massachusetts Amherst   Amherst, MA
Bachelor of Science in Computer Science, Honors   Expected Graduation: May 2024
- **Cumulative GPA:** 3.9
- **Current Coursework:** Artificial Intelligence, Computer Security, Computer Networks, Operating Systems
- **Completed Coursework:** Algorithms, Computer Systems, Data Structures, Programming Methodology, Computation, Object-Oriented Programming, Reasoning Under Uncertainty, Linear Algebra, Calculus
- Eligible for Accelerated Master's Program

Awards:
- Dean's List Honors for all semesters
- CICS Dean's Merit Scholarship for academic excellence

PROJECTS

Reverse Engineered Quadcopter | Side Project
- Analyzed and researched UDP and TCP packets sent to RC drone over Wi-Fi using Wireshark
- Collaborated with team to develop Python code following drone's network and command structure
- Integrated a PS5 controller to pilot drone and captured video stream to output to computer screen

Automated Rover | Honors Seminar Final Project
- Designed and built a rover with DC motors, Arduino-Uno processor, and Pixy2 robot vision sensor
- Developed C++ code to automate movement and react to environmental stimuli such as color and position
- Presented orally to peers with a live demo and provided a conclusive final report with documentation

8-Puzzle Solver | AI Course Project
- Worked with API to implement search algorithms such as Best-First-Search, A*, and Uniform Cost in Python
- Developed heuristic functions based on problem definition to optimize informed searches
- Deepened understanding of the search state, memory and time constraints, and data structures

MySQL Authenticator | Side Project
- Developed C# code to connect to local instance of MySQL database and provide user authentication service
- Encrypts password entries using SHA256 hashing algorithm, so passwords are stored securely and nonreadable
- Organized code into abstract classes and concrete classes to allow for easy scalability and understandability

SKILLS

Languages: C/C++, Python, Java, C#, SQL, JavaScript, HTML, CSS
Applications: GitHub, Visual Studio, .NET Framework, Wireshark, MySQL, Linux, Windows, Microsoft Suite
General: Embedded Systems, Testing/Debugging, Database, Abstract Thinking, Teamwork, Communication

WORK EXPERIENCE

Chipotle Grill   Mansfield, MA
Line Chef   Summer 2021
- Fulfilled orders, prepared ingredients, cooked meats and sauces, and cleaned cookware and work stations
- Collaborated with diverse team and frequently asked questions to those with more experience

Amazon   Milford, MA
Warehouse Associate   Summer 2020
- Worked with new industry software to locate packages and stage loads for delivery
- Learned to navigate through busy warehouse and practice industrial-level safety procedures