Marcus McMullen, Jr.

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Education

Georgia Southern University, Statesboro, GA

Bachelor of Science Computer Science – ABET Accredited   May 2023

Projects

Capstone Project: HTML, CSS, JavaScript, Node.js

The goal of this project is to develop an engaging and interactive game, a block-based visual programming language. The game will be designed as a tool for teaching basic coding concepts in a fun and accessible way.

Health AI Web Application Project: HTML, CSS, React.js, Node.js, Rasa

Develop a comprehensive web application aimed at providing users with everyday information about lifestyle choices related to the eight dimensions of wellness. The application incorporates Rasa, an AI technology, to enhance user interaction and deliver personalized guidance on health management.

Leadership Experience

Association for Computing Machinery

President   Aug 2022 - May 2023

- Increased Association for Computing Machinery membership with a margin of 45% by establishing targeted communication to various academic colleges and engaging colleagues of different backgrounds and skills levels within target departments.
- Conducting professor & employer talks to promote professionalism, industry specific knowledge, and ethical computing that shapes the future of computing.
- Implementing five-minute coding activities for each regularly scheduled meeting that is adapted for various skills levels to help develop verbal communication and problem-solving skills.

Vice President   Aug 2020 – May 2022

- Contributed to a positive team environment, fostering camaraderie and teamwork among colleagues.
- Hosted live coding sessions using Java to create a dungeon adventure text-based game.

Institute of Electrical and Electronics Engineers: Robotics Team   Jan 2020 – May 2023

Lead Robotics Software Engineer

- Worked effectively, efficiently, and communicated with Robotics team members to develop embedded real-time software for servos, a servo controller, and a color sensor to produce a fully functioning robot.
- Utilized Agile software development techniques for example, sprints, with Robotics team to develop models and simulation for planning novel algorithms and technology platforms to apply to advanced robotic applications.
- Provided functional object-oriented programming & scripting using languages such as C++ and Arduino, for the Robotics team to work on real-time operating systems.
- Direct and manage the design and implementation of object recognition, line tracking, and distance detection.

Professional Experience

Amazon Warehouse   Port Wentworth, GA

Amazon Driver   Dec 2023 – Current

- Demonstrated strong problem-solving skills when faced with unexpected challenges such as traffic delays, road closures, or inclement weather conditions.
- Utilized delivery management software and GPS navigation systems to plan routes, track deliveries, and navigate delivery locations efficiently.

Skills & Other

- ***Programming:*** Java, C++, Html & css, JavaScript, C#
- ***Effective Communication, Teamwork, Flexibility & Adaptability***
- ***Exposure to project management methodologies and software development lifecycle***