Roody Pointjour

Computer Engineer

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Determined Computer Engineer with a passion for software development and a successful track record of integrating complex systems. Seeking a challenging role where I can leverage my technical proficiency and knowledge of data encryption, network security, and cybersecurity protocols to design and develop innovative technologies.

Skills

- HTML
- CSS
- JavaScript
- Java

- Machine Learning
- Network Security
- C
- C++

- Python
- PyTorch
- MySQL
- Microsoft Office 365

Experience

Computer Engineer & Integration Specialist – Full-time   Sarasota, FL
Rapid Composites   December 2022 – Present
- Integrated a system that utilized long-range AES 256 encryption
- Interfaced a system with ground station for object tracking and object detection using Python
- Tested different systems for ability to perform in a GPS denied environment

Concierge Technical Support Specialist - Contract   Boca Raton, FL
Colliers International   June 2022 – December 2022
- Tracked and logged over 500 requests for desktop service in Service-Now
- Imaged laptops, desktops, and workstations
- Troubleshooted issues with Microsoft Office 365 and Microsoft Teams

Business Mobility Technical Support – Full-time   Boynton Beach, FL
ACG   January 2021 – June 2022
- Troubleshooted advanced technical issues for over 200 business clients
- Solved problems and developed practical solutions for business needs

Front End Developer – WordPress Intern   Boca Raton, FL
TheaterEars   September 2020 – December 2020
- Developed code and troubleshooting for WordPress core
- Created and customized mobile applications using Java
- Managed Database using SQL, MySQL
- Constructed over 20 webpages using HTML, CSS, and JavaScript

Projects

Engineering Design   Summer 2022
TurtleBot 3 Waffle Pi
- Worked with my team to design a robot capable of autonomously following a leader
- Project revolved around the robot following the leader, either human or another robot
- Tracking system involved the use of a lidar sensor and camera to avoid object collisions

Intro to Embedded Systems   Summer 2021
MSP430-G2553
- Utilized C, C++ programming skills by programming the MSP430 microcontroller and Arduino Uno
- Built a project that detects the distance of an object and motion of a person
- Developed a better understanding of programmable hardware

Education

Florida Atlantic University   Boca Raton, FL
Bachelor of Science in Computer Engineering   August 2022