**ROODY POINTJOUR**

St. Petersburg, FL 33716

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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**

**Software:** Eclipse, Multisim, Android Studio, Visual Studio, Visual Studio Code, Microsoft Office, Code Composer Studio, SolidWorks, AutoCAD, Network Security, Data Encryption, Cybersecurity Protocols (AES), Git

**Hardware:** MSP430-G2553, ESP32, Arduino, Oscilloscope, DC Power Supply, Multimeter

**Programming Languages:** C, Java, C++, Python, JavaScript, SQL, MySQL

**Web Development**: Developed websites using the React JavaScript library and Django Back-End framework

**Mobile App Development**: Created mobile apps using Android Studio

**EXPERIENCE**

***Computer Engineer & Integration Specialist***Sarasota, FL**Rapid Composites** December 2022 – Present

* Integrated a system that used long-range AES 256 encryption
* Interfaced a system with ground station for object tracking and object detection
* Tested different systems for ability to perform in a GPS denied environment

*Concierge Technical Support Specialist* Boca Raton, FL**Colliers International** June 2022 – December 2022

* Imaged laptops, desktops, and workstations
* Provided desk side support for hands-on issues

*Business Mobility Technical Support* Boynton Beach, FL

**ACG** March 2022 – May 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 2021 – December 2021

* Developed code and troubleshooting for WordPress core
* Created and customized plugins and themes
* CMS/Database Management
* Website Page Construction

**RELEVANT PROJECTS**

**Engineering Design** Summer 2022

*TurtleBot3 Waffle Pi*

* Worked with my team to design a robot capable of autonomously following a leader
* Robot tracked either a human, or another robot. Tracking involved use of a lidar sensor and camera

**Intro to Embedded Systems** Summer 2021

*MSP430-G2553*

* Utilized programming skills by programming to the MSP430 microcontroller
* 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