

ALEXANDER BURBANO

SOFTWARE ENGINEER

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EXPERIENCE

Software Engineering Co-op

08/21 - Present

Council Rock Smart Private Networks | Rochester, NY

- Developed OpenWRT images for in-house embedded systems
- Created frontend and backend features using JavaScript, Lua, and Shell Scripts
- Addressed and fixed bugs reported by the clients of the product

Teaching Assistant

01/21 - 05/21

Rochester Institute Of Technology | Rochester, NY

- Teaching 30+ students basics of programming in node.js during office hours and lab hours
- Assisting the professor by grading and providing feedback on all assignments
- Supervising the class sections of 15+ students during labs

PROJECTS

Thought Controlled Power Wheels

Present

Club Project | Rochester, NY

- Managed a team of 5 Engineers and 3 Computer Scientists
- Rewired a children's ride on Powerwheels to take inputs from a Raspberry Pi
- Gathered data from participants using OpenBCI's brain computer interface helmet

Robotics Online Teaching Space

3/21-4/21

Personal Project | Remote

- Created a website that allows users to queue python programs to a Raspberry Pi robot
- Configured a website on a virtual Ubuntu server
- Developed a Python program that downloads scripts from a web server and automatically runs them in order afterwards

EDUCATION

Rochester Institute of Technology | B.S. Computer Science

Expected May 2023

- GPA: 3.48
- Presidential Scholarship | Dean's List

SKILLS

Languages: C# | Java | Python | Javascript | C++ | HTML | CSS | Lua | Shell Script

Software: Git | Illustrator | Photoshop

Hardware: Arduino | Raspberry Pi

ORGANIZATIONS

Computer Science House | Member | On-campus organization that promotes the learning of computer science through projects

Neurotechnology Exploration Team | Founding Member & E-Board Treasurer | Student run research club for neurotechnology

Multi-Disciplinary Robotics Club | E-Board Treasurer | Organization that supports student projects within the field of robotics

Society of Professional Hispanic Engineers | Member | National organization that fosters Hispanic leadership within STEM fields