Ayeden Rios

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EDUCATION

University of New Hampshire - Durham, New Hampshire   **August 2020 - May 2025**

B.S. in Electrical Engineering   *3.58 GPA*

- Designed a Class B amplifier with negative feedback for Junior Laboratory
- Written a technical research paper on OPA381 IC for Electronic Design
- Created a brushed DC motor for Electromagnetics Fields and Waves

TECHNICAL SKILLS

- MATLAB, Altium, Logisim, and Multisim
- Technical Writing
- Oscilloscopes, AWG's, Function Generators and VNA's

- Soldering
- IEEE 802.3 Clause 14, 25, and 40 standards
- GIT and Visual Studio

EXPERIENCE

University of New Hampshire InterOperability Lab - Durham, New Hampshire   **January 2022 - Present**

Hardware Technician

- Perform conformance testing for IEEE 802.3 Clause 14, Clause 25, and Clause 40 standards
- Compose reports for IEE 802.3 standard testing for vendors devices
- Communicate with vendors about IEEE 802.3 conformance issues or questions during device testing
- Maintain testing documentation via Confluence and Jira
- Collaborated in multiple vendor test events and hackathons
- Train and onboard new hires on IEEE 802.3 conformance standards

Water Country - Portsmouth, New Hampshire   **April 2021 - July 2021**

Park Service Supervisor

- Managed a diverse team of seven Park Service members and coordinated a group of an non-english speaking cleaning company
- Prepared Water Country from 8 AM to 8 PM Wednesday-Sunday by landscaping, disinfecting, and diluting chemicals
- Negotiated with General Manager for more than $500 in funds for the Park Services

ACHIEVEMENTS

- Deans List Highest Honors - Fall 2023
- Deans List High Honors - Fall 2020/2021 and Spring 2022
- George F. & Lina C. Fisher Scholarship Award for Fall 2023 and Spring 2024
- ECE 401 group project award at UNH as team Leader for group of four engineers
- Water Country Leadership Member Award

EXTRACURRICULARS

"ARKaic Aether" Server and Discord - Lee, NH   **January 2021 - October 2021**

Owner and Developer

- Built and managed a Discord with multiple game servers for 10 months as server owner for over 700 people
- Assembled a unique server store to generate monthly revenue for building future growth
- Created compromise packages for loyal community members within ARKaic Aether's store, generating a 50-100% increase in overall profit per month
- Designed monthly server icons, banners and logos for ARKaic Aether
- Maintained community satisfaction and increased new user enrollment by 10-20% per month