

Skills

Languages: HTML5/CSS3, JavaScript, Python
Technologies: Node.js, Express.js, MongoDB, Axios, Fetch API, Git Version Control
Tools: npm, VS Code, Jira, Asana, JAMA
Soft Skills: English, Serbian, and Croatian – Native Fluency
Spanish - Intermediate

Experience

Electronic Controls Engineer II - Systems

Jan 2022 - Present

Rheem Manufacturing – Water Heating Division

Roswell, GA

- Prototyped a webpage of proprietary software using VueJS to increase accessibility for remote engineers.
- Developed test automation script using Python Selenium to automate demand response compliance testing.

Electronic Controls Engineer I - Systems

June 2021 – Jan 2022

Rheem Manufacturing – Water Heating Division

Roswell, GA

- Systems Engineer (Electronic Controls) for Rheem Water Heating Division in product development.
- Led system requirements documentation, certification testing, and post-launch support.
- Created and maintained documentation including functional specifications, traceability matrices, software specifications, test specifications, and test reports.
- Promoted within a six-month timeframe for exceeding goals.

Education

Kennesaw State University

Dec 2020

Bachelor of Science in Electrical Engineering

- **Courses:** C++ Programming for Engineers, Embedded Systems, Control Systems, Ordinary Differential Equations, Electromagnetic & Microwave Applications, Probability & Statistics.

Research Experience

Machine Learning for RF Networks

May 2020

Directed Study – Kennesaw State University

- Developed a linear regression machine learning system to predict values in an integrated circuit.
- Predicted the values of an L-shaped RF matching network with 90% accuracy.
- Utilized the output values in the Keysight ADS circuit simulation to generate power reflection data.
- Libraries utilized include NumPy, Pandas, scikit-learn, and matplotlib.
- Presented project at IEEE RFID 2020 conference.