NEM BLAGOJEVIC

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Atlanta, GA

Skills

Languages:	HTML5/CSS3, JavaScript, Python
Technologies:	Git Version Control, MQTT
Tools:	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.