

Eloy Ulises Lopez

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WORK EXPERIENCE

Contract Deployment Engineer | Amazon Robotics via TEKsystems - Shreveport, LA

April 2024 - Present

- Conducted daily quality checks on 1000+ Amazon robots and 400+ workstations to ensure optimal safety standards and operational performance
- Diagnosed and resolved issues with station conveyors, executing live testing to verify functionality and address any malfunctions
- Coordinated with 3rd party assemblers to address and resolve quality check failures, ensuring timely and effective resolution of component issues
- Utilized Asana and Slack to provide detailed updates and discuss progress, challenges, and solutions during daily team meetings resulting in continuous progress

Full-Stack Developer Intern | Exalent - Southlake, TX

October 2023 - December 2023

- Developed back-end coding focused on designing RESTful APIs for data retrieval from Microsoft SQL Server Database utilizing Swagger for API documentation
- Created 10+ interactive front-end pages using CSS to showcase API data with grid displays, buttons, and titles using JavaScript and React
- Updated Azure DevOps repositories, enabling parallel development, smooth code integration, and version control on branches
- Incorporated Agile development practices and engaged in daily SCRUM meetings to provide progress reports

Software Developer Intern | Ocus Networks - Plano, TX

May 2023 - August 2023

- Composed a program for conducting hardware diagnostics on a Telecommunication Modem Deployment (TMD) device that automated 17 tests such as USB, and ethernet port performance
- Constructed the diagnostic program using CLion IDE, C, C++, and used the Linux command line interface to interact with the TMD device to fetch hardware locations
- Managed a two-person development team, by facilitating meetings and setting goals to ensure prompt project completion
- Implemented collaboration and effective code management using Git for version control, actively participating in daily SCRUM sessions, and delivering bi-weekly progress reports to mentors and peers, highlighting project accomplishments

Information Technology Service Intern | City of Lewisville - Lewisville, TX

July 2022 - May 2023

- Provided IT solutions for 300+ employees, servicing public services (Police/Fire departments, Court, Parks, and Rec)
- Resolved technical support tickets over phone and email within 24 hours
- Diagnosed and mitigated security breaches resulting from phishing attempts by re-imaging their device and safely restoring user data
- Rehabilitated computer hardware/software by repairing malfunctions such as slow computer speed, file deletions, and 3rd party software issues

PROJECTS

React-folio | JavaScript, HTML, CSS, React, GitHub

September 2024 - Present

- Developed an interactive online portfolio showcasing my professional experiences and projects using JavaScript, HTML, CSS, and React
- Implemented dynamic components, including sidebar navigation, animations, and external link integrations for GitHub, LinkedIn, and PDF files
- Utilized GitHub for version control and to manage code changes, displaying progress and iterations over time

Sound Reduction Drone Senior Design Capstone | Linux, Raspberry Pi, Matlab

August 2022 - May 2023

- Established an Active Noise Cancellation system that reduced drone sound emissions by 28.5 decibels resulting in first place team recognition
- Utilized a Raspberry Pi to develop a script in python that records/outputs audio
- Converted recorded audio files to frequency graphs in MATLAB that exports the data points into an excel sheet
- Documented results and procedures to compare progress and present to the senior design class and sponsors

LEADERSHIP EXPERIENCE

Society of Hispanic Professional Engineers Dallas Fort-Worth (SHPE DFW) | Marketing Director

April 2024 - Present

- Created and coordinated social media campaigns to engage with media outlets and partners to promote our mission

SKILLS

- **Programming:** C | C++ | JavaScript | HTML | CSS | GitHub | Bash | MATLAB | React | Linux | CLion | VSCode | Atom | Azure DevOps
- **Soft Skills:** Communication | Leadership | Problem-Solving | Adaptability | Self-Motivation | Resilience | Emotional Intelligence

EDUCATION

The University of North Texas
Denton, TX

Major: Mechanical and Energy Engineering
Minor: Computer Science
Graduated: May 2023