

Eloy Ulises Lopez

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WORK EXPERIENCE

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

April 2024 - Present

- Conducted quality checks on Amazon robots and 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 to provide detailed updates and discuss progress, challenges, and solutions during daily team meetings

Delivery Driver | Amazon via TRIUMPH Logistics - Forney, TX

March 2024 - April 2024

- Delivered 300+ packages daily while maintaining a customer satisfaction, addressing problems and resolving issues promptly
- Executed efficient delivery routes using GPS and route optimization tools to minimize travel time and maximize on-time deliveries
- Performed pre-trip and post-trip inspections of delivery vehicles, reporting any issues or needed maintenance to management

Full-Stack Developer Intern | Exalant - 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 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 | Oceus 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

EDUCATION

The University of North Texas
Denton, TX

Major: Mechanical and Energy Engineering

Minor: Computer Science

Graduated: May 2023

PROJECTS

3D Printed Vehicle Snorkel | Fusion 360, Prusa Slicer, Meshmixer

November 2023 - February 2024

- Crafted a custom snorkel for a vehicle's air intake using Fusion 360, optimizing for functionality and aesthetics
- Sliced the snorkel efficiently with Prusa Slicer and executed the 3D printing process on an Ender 3 Pro
- Employed Meshmixer to tailor the snorkel to fit within the Ender's bed size, followed by meticulous sanding and painting for a polished appearance
- Fine-tuned filament temperature, infill, and support settings, strategically minimizing print cost and material consumption

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

- **Fabrication:** SolidWorks | Fusion 360 | Meshmixer | Cura | Prusa Slicer | Ender 3 Pro | Ender 5 Pro
- **Programming:** C | C++ | Git | Bash | MATLAB | React | Linux | Windows OS | CLion | VSCode | Atom | IntelliJ IDEA | Azure DevOps