Luis Omar Leyva Navarrete

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EDUCATION

Tecnologico de Monterrey   Monterrey, Nuevo Leon, Mexico
Bachelor of Science in Computer Science and Technology Engineering (ITC)   *August 2019 – July 2023*

EXPERIENCE

Robotics Mentor   August 2019 – Present
PrepaTec Overture 7421   *Monterrey, Mexico*
- Instructed team members in C++, Java, and WPILib, enabling advanced competition robot programming for seamless hardware-software integration.
- Educated on safe tool usage and mechanical design principles, fostering innovation and safety in crafting robust competition robots.
- Guided team collaboration across seasons, streamlining tasks and resources for prompt, efficient competition robot design and fabrication. Simultaneously, provided leadership and mentorship during events, cultivating strategic decision-making, teamwork, and adaptability.

Cybersecurity Intern   August 2022 – February 2023
CYDSA   *Monterrey, Mexico*
- Managed SUSE Linux server files and users, optimizing system functionality.
- Produced ISO 27001-aligned cybersecurity documentation, ensuring compliance and providing a valuable reference for secure operations.
- Proactively monitored server health with PRTG software, minimizing downtime and bolstering system reliability for improved productivity.

PROJECTS

Norpack Web Page | *TypeScript, React, NextUI, Node.Js, NextJs, Github*   Summer 2022
- Created a website for Norpack using NextJs, React, and NodeJS, improving the user experience using NextUI and adding up to date information.

Small Compiler | *Python, Pyparsing*   Spring 2023
- Developed a compact compiler using Python 3.11 and Pyparsing for a C++-like language. This included grammar specification, tokenization, syntax tree generation, optimized code output, error handling, and rigorous testing.

Comedor Infantil Mensajero de Paz Web Page | *JavaScript, React, Bootstrap, Node.Js, Gatsby, Github* Summer 2022
- Updated the Comedor Infantil Mensajero de Paz website using Gatsby, React, and NodeJS, improving the user experience and adding up to date information.

Scouting Web App | *JavaScript, React, Bootstrap, Node.Js, Firebase, Github*   Spring 2022
- Created a web app and API using JavaScript, React, and NodeJS to collect team data during competitions, with Firebase employed for database storage and deployment.

Anomalies Dashboard | *JavaScript, Python, Flask, React, Node.Js, Firebase, SQL, Github* Spring 2022
- HTML, CSS, Javascript, Python, and SQL were used to develop a web application that, connected to an AI model and a database, displays a dashboard for analyzing anomalous behaviors in customer data.

TECHNICAL SKILLS

Programing Languages: Java, JavaScript, Python, C/C++, SQL, HTML/CSS, TypeScript
Frameworks: React, Node.js, Flask, Bootstrap, NextJS, NextUI, Tailwind
Developer Tools: Git, Github, Firebase, VS Code
Libraries: pandas, NumPy, Matplotlib
Languages: Spanish (Native), English (C1)