Michelle Leon-Cigarroa

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EDUCATION

University of Notre Dame | Notre Dame, IN — May 2025
Bachelors of Science, Major: Computer Science — *GPA: 3.24*

SKILLS

Frameworks & Tools: Django, React JS, Rest API, Git, MySQL, PowerBI, Linux
Languages: Python, Java, JavaScript, C, SQL, HTML, CSS, Assembly, PHP
Key Skills: Web Development, Databases, System Design, Data Visualization, Stakeholder Management, Spanish/English Translation
Methodologies & Processes: Agile/Scrum, Software Development Life Cycle (SDLC), CI/CD

EXPERIENCE

Graduate Business Career Development | Notre Dame, IN — Sept 2024 - Present
Website, Communications and Systems Support

- Collaborated with cross-functional teams (career coaching, data analytics, and marketing team) to enhance user experience on career development websites, improving functionality and ensuring consistent formatting
- Conducted an extensive audit of career development websites, identifying inconsistencies in navigation, formatting, and content structure to inform a comprehensive redesign.

enFocus | South Bend, Indiana — May 2024 – July 2024
Industry Intern

- Led a data-driven process improvement initiative, analyzing 900+ rework instances across six stations to identify inefficiencies and propose targeted solutions, resulting in a projected 15% improvement in operational efficiencies
- Developed and presented data visualizations and heatmaps to upper management, effectively communicating insights and securing buy-in for process enhancements
- Consulted with upper management and plant floor teams to gather insights, ensuring alignment and driving adoption of recommended changes

Lippert Components, Inc, INDustry Labs | South Bend, Indiana — Jan 2023 – May 2023
Autonomous Mobile Robots Research Group

- Conducted in-depth research and analysis to identify key challenges in implementing Autonomous Mobile Robots (AMRs) for material handling, delivering actionable recommendations that addressed the top three workflow inefficiencies
- Partnered with supplier representatives to evaluate AMR systems, selecting the top-performing solution tailored to the company's operational requirements and needs
- Programmed and tested the MiR200 AMR, providing critical insights into its operational boundaries and potential for integration into glass manufacturing workflows

Pedro's Trees Inc. | Austin, Texas — Aug 2013 – July 2022
Primary Translator and Web Developer

- Acted as a key liaison between the owner and clients, providing translation services that improved communication and strengthened client relationships
- Designed and maintained the company website using **React**, **JavaScript**, **HTML**, **Node.js**, and **MySQL**, with the database hosted on **AWS**, leading to a 10% increase in clientele through improved functionality and user experience

PROJECTS

goldenGuess — Jan 2024 – May 2024

- Designed a multi-language Wordle game leveraging OOP by **using Django, JavaScript, and Python**, allowing users to select a preferred language with a responsive front-end for dynamic interactions and real-time game logic
- Incorporated **Django's** embedded **SQL** functionality to manage user data and track coin balances, ensuring a smooth and persistent gaming experience across sessions
- Conducted usability testing to identify pain points and iterated on the design to improve user satisfaction

Weather Wizard — Aug 2023 – Dec 2023

- Showcased expertise in **SQL** for comprehensive database management, query optimization, and innovative database design
- Created a Django-based weather analysis, prediction, and recommendation website using **Python**, **HTML**, and **SQL**, incorporating **AI** models to enhance accuracy and user experience

Operating Systems Principles — Aug 2023 – Dec 2023

- Implemented a message queue client, integrating with a rudimentary pub/sub system using **POSIX** threads and network sockets through a **RESTful API**. Implemented **HTTP requests**, a queue structure, and user interface with synchronization primitives
- Designed a simplified Unix File System by programming the shell program, file system, and disk emulator to interact seamlessly, taking into consideration data limitations