

Maria Belen Rodriguez

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EDUCATION

University of Southern California | Viterbi School of Engineering

Los Angeles, California

Bachelor of Science in Industrial and Systems Engineering | GPA: 3.8/4.0

December 2026

- **Relevant Coursework:** Human Factors in Work and Systems Design, Foundations of Probability Modeling, Database Systems: Storage and Retrieval using SQL, Optimization, Foundations of Data Analysis
- **Involvement:** *Finance Director*, ALPFA (Association of Latino Professionals for America)
- **Honors & Awards:** Transfer Merit Scholar, Dean's List (Fall 2024, Spring 2025)

SKILLS

- **Technical:** Python, C++, PowerBI, MySQL, Microsoft Azure, MS Excel, Java
- **Language:** Native English and Spanish

EXPERIENCE

Eli Lilly & Company

Indianapolis, Indiana

Global Supply Chain Intern - Business Process Knowledge Center

May 2025 - August 2025

- Built a Python-based automation pipeline using Cortex APIs and large language models (LLMs) to classify and interpret incident data through a multi-step approach that eliminated manual effort and accelerated root cause analysis.
- Analyzed unstructured open-text data from 3,800+ supply chain incident reports to identify systemic issues, root causes, and opportunities for continuous improvement to save costs and incidents in the sites.
- Developed four Power BI reports using data generated by the LLM model and advanced DAX measures to extract evolving insights and patterns, accompanied by a strategic summary of findings and recommendations.

Microsoft & LA.Tech.org

Los Angeles, California

IT & Cybersecurity Intern

Feb 2024 - June 2024

- Constructed comprehensive systems administration by managing and optimizing operating systems, cloud administration, servers, and authentication services, leading to a more secure and efficient IT infrastructure.
- Developed a virtual machine project using Microsoft Azure and VirtualBox, enhancing database configurations to increase efficiency by 25%, earned first place in a professional presentation, and strengthened system security through encryption and vulnerability assessments.

NASA (National Aeronautics and Space Administration)

Los Angeles, California

NASA Scholar Program

Jan 2024 - May 2024

- Analyzed NASA's Aeronautics Research Mission Directorate (ARMD) using Excel and Python to create data models, perform statistical analysis, and identify key areas for improvement.
- Led a team of 10 scholars in developing a simulated Mars rover launch plan as the Instrument Engineer. Oversaw research and selection of scientific instruments essential for Mars data collection while enhancing functionality within budget constraints.

Code Ninjas

Los Angeles, California

Coding Instructor

May 2023 - June 2024

- Delivered weekly instruction to 40+ students in Java and C# programming, leveraging Unity to create immersive, interactive games that increased student engagement and retention.
- Resolved programming issues, boosting student coding proficiency and confidence through personalized debugging guidance.
- Designed and led intensive summer coding workshops centered on hands-on projects and game development, resulting in measurable improvements in technical skills and creative problem-solving.

LEADERSHIP

Society of Hispanic Professional Engineers - National Board of Directors

Los Angeles, California

Undergraduate Board Member

June 2025 - Present

- Represent over 19,000 undergraduate members nationally by shaping SHPE's strategic direction and collaborating with the National Board of Directors and regional leaders to support chapter operations and decision-making.

Society of Hispanic Professional Engineers - Region 2

Los Angeles, California

Regional Student Representative

May 2024 - July 2025

- Advocate for interests and concerns of undergraduate student members within the regional team, hosting regular meetings with 30 chapter presidents to offer continuous support and address students' needs.
- Developed and launched a shared resource archive featuring 10+ sponsorship package examples, bylaw templates, and leadership guides, improving access to tools for struggling chapters.