Jose Hernandez Meza

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EDUCATION

University of Central Florida   **Aug 2023 – Dec 2025**
B.S. in Computer Science   GPA: 3.68

Valencia College   **Aug 2021 – Aug 2023**
A.A. in Computer Science.   GPA: 3.77

EXPERIENCE

Avaz import   **Miami, Florida**
Founder & Software developer   Sep 2022 – Current
- Founded and led an export company connecting U.S. products to Venezuela, achieving **$700K in annual revenue**, reaching **5K+ customers**, and growing a **16K+ social media following** through data-driven marketing and customer engagement.
- Developing a web-based application (in progress) using React.js and **Node.js/Express** to optimize product management and sales processes.
- Designing and implementing **RESTful APIs** for product listings, order tracking, and customer management, ensuring scalable and maintainable backend services.
- Designing a **PostgreSQL** database to store customer and product data, enhancing query performance and operational efficiency.

Universal Orlando Resort   **Orlando, Florida**
Software Engineer Intern.   Sep 2025 – Current
- Developing guest-facing web applications using **Angular**, **Stencil.js**, and **Sass** to enhance user experience and align with Universal's digital platform standards.
- Implementing **CI/CD** pipeline enhancements by automating testing and deployment workflows, improving release efficiency and ensuring reliable production deployments.
- Performed codebase **cleanups** and **refactoring** to remove unused services, streamline modules, and improve overall maintainability and readability.

Amazon.com   **Orlando, Florida**
Outbound Process Assistant   Oct 2022 – Oct 2025
- Supervise packaging operations for over **80,000 customer orders** daily, ensuring compliance with safety standards, quality control protocols, and operational efficiency.
- Train and assign associates to roles in the Smartpac and Singles departments, fostering a safer and more productive team environment that contributed to a **23.1% performance increase in January 2024**.
- Monitored labor hours and adjusted staffing in real time to meet daily targets, contributing to an increase in Singles RT productivity from **93.5 to 115.1 UPH**.

PROJECTS

AI-Driven VR Digital Twin for Congenital Heart Defects   **Jun 2025 – Nov 2025**
AI Engineer   Orlando, Florida
- Designed the AI pipeline for 3D medical image classification using **PyTorch**, custom **3D CNNs,** and **ResNet3D** variants to distinguish between healthy and CHD heart conditions**,** achieving **88.9% validation AUPRC** and **85% classification accuracy**.
- Optimized classification architectures through class weighting and focal loss to mitigate a **1:4 class imbalance ratio**, improving model precision on underrepresented CHD cases by **~12%**.
- Developed data preprocessing and augmentation pipelines (normalization, patch extraction, oversampling) to improve model robustness and generalization across diverse CT scans.

SKILLS

Programming Languages: Python, Java, C, JavaScript, TypeScript, HTML5, CSS, SQL.
Tools/Platforms: AWS, Postman, Git, Azure, Jira, Windows, SonarQube, Storybook, Vercel, VSCode, Figma.
Libraries/Frameworks: ReactJS, NextJS, Angular, Sass, PostgreSQL, MongoDB, PyTorch, TensorFlow, Keras, Numpy, Pandas.
Languages: English (Native/Bilingual), Spanish (Native/Bilingual).