

# Jose Solano

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[leonardohn07.github.io/portfolio-website/](https://leonardohn07.github.io/portfolio-website/)

## EDUCATION

### Florida State University

Bachelor of Science in Computer Science - GPA: 3.48

Tallahassee, FL

December 2025

## EXPERIENCE

### Parts Sales Manager

Autozone

June 2023 – December 2023

Tampa, FL

- Analyzed inventory and sales data to identify discrepancies and improve ordering efficiency
- Coordinated daily operations and optimized workflows to maintain inventory accuracy

## PROJECTS

### Accessibility Finder | HTML, CSS, PHP, OpenStreetMap API, SQL, JavaScript

- Built a full-stack web application that allows users to review and rate public service businesses based on accessibility criteria
- Designed and implemented backend architecture for user-generated reviews, data storage, and API integration with OpenStreetMap
- Enabled searchable, location-based accessibility insights to improve usability and community awareness

### Retail Clothing Stock Manager | HTML, CSS, PHP, SQL, JavaScript

- Developed a web-based inventory management system to track retail clothing items and stock levels
- Implemented automated alerts and analytics features to identify low stock and monitor inventory trends
- Improved inventory visibility and decision-making through structured data storage and reporting

### Named Entity Recognition Model | Python, SpaCy, Tkinter, Streamlit, NumPy

- Trained a custom Named Entity Recognition model using SpaCy to extract travel- and tourism-related entities from unstructured text
- Applied data preprocessing and model tuning techniques to improve entity recognition accuracy
- Deployed an interactive Streamlit web interface for real-time text analysis and inference

### Weather Bot Virtual Agent | Cloud Flows, Microsoft Power Automate, Weather API

- Developed an AI-powered virtual agent that retrieves real-time weather forecasts based on user-provided addresses
- Integrated external weather APIs with automated cloud workflows to process user queries and generate responses
- Enabled delivery of detailed weather forecasts via email, improving accessibility and automation

### Machine Learning Model Cat vs Dog | Python, TensorFlow, Keras, PyTorch, NumPy, Matplotlib, Jupyter Notebook

- Designed and trained a Convolutional Neural Network (CNN) to classify images of cats and dogs using a labeled dataset
- Applied data preprocessing techniques including image resizing, normalization, and augmentation to reduce overfitting
- Evaluated model performance using validation metrics and achieved high classification accuracy

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, SQL, JavaScript, HTML/CSS/PHP, R

**Frameworks:** Streamlit, Flask, Tkinter

**ML / Data:** TensorFlow, PyTorch, Keras, SpaCy, pandas, NumPy, Matplotlib

**Developer Tools:** Git, GitHub, Unix/Linux, Power Automate, VS Code, PyCharm, CLion, Eclipse, Apache

**Concepts:** Data Structures and Algorithms, Object-Oriented Programming, Machine Learning, Natural Language Processing, Computer Vision, API Integration (REST), Data Preprocessing, Model Evaluation