

# Austin Villanueva

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## EDUCATION

### University of Central Florida

Aug. 2023 – May 2027

*B.S. Computer Science*

*Orlando, FL*

- **Relevant Coursework:** Advanced Data Structures and Algorithms, Object-Oriented Programming, Computer Logic and Organization

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python (Pandas, Matplotlib, Plotly, Scipy), C, SQL

**Technologies:** Flask, Django, MySQL, PostgreSQL, Git, LaTeX, Markdown, VSCode, Nvim, Scikit-Learn, TensorFlow

## PROJECTS

### Basketball Betting App | *ML Stat Predictor*

In Progress

- Engineered a seamless **React front end with a Django back end** to create a robust and efficient full stack application to provide advanced information.
- Configured a **Gradient Boosting model** to predict the likelihood of a bet and stats.
- Established a **JWT Token** system to ensure user security across all web pages.

### Stock Analyzing Django App | *Stock Analyzer*

July 2024

- Developed a stock analysis application using **Django**, enabling users to track stock performance and trends across a large variety of sectors.
- Integrated useful data analysis features with **Pandas** to extract metrics for each stock.

### Finance Tracking App | *Expense Tracker*

April 2024

- Implemented user authentication and expense tracking dashboard using **Python and Flask**.
- Designed dynamic data visualization charts with **Matplotlib and Seaborn** to give advanced insights.

## EXPERIENCE

### Costco Wholesale

Sep. 2023 - Present

*Forklift Driver*

*Orlando, FL*

- Leveraged merchandise data to optimize sales strategy making us **#1 in the south-east**.
- Optimized workflow with my team, contributing on busy holidays where we made **1.5M in sales**.

## EXTRACURRICULARS

### Design & Code Club

Sep. 2023 - Present

*UCF*

*Orlando, FL*

- \* Expanded my skill set through front-end workshops on **Node.js** and **React.js**, which I plan to apply in future projects.
- \* Attended networking events, engaging with peers and potential collaborators for front-end development projects.

### Machine Learning Research

Feb 2025

- \* Studying machine learning fundamentals through self-directed learning, including **regression, classification, and neural networks**.
- \* Building machine learning models using **Scikit-Learn and TensorFlow**, with an emphasis on data preprocessing and model optimization.