Austin Villanueva

(813) 847-7312 | au563482@ucf.edu | linkedin.com/in/austin-villanueva-56abbb2b2 | github.com/avillann00

EDUCATION

University of Central Florida   Aug. 2023 – May 2027
B.S. Computer Science, Minor in Mathematics   *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 | *Django Rest Framework, React, Scikit-Learn, JWT, PostgreSQL, OAuth*   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 | *Django, Pandas, PostgreSQL, Matplotlib*   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 | *Flask, MatplotLib, Seaborn*   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.