Pablo Carbajo Derennes

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Education

The University of Texas at Austin
Bachelor of Science in Data Science & Bachelor of Arts in Economics, GPA: 3.65
Expected Graduation: May 2025

Employment

PwC, Austin, TX
Strategy Consulting Intern   Jun 2023 - Aug 2023

- Conducted in-depth market research, analyzing data from 39000+ platform users, using Microsoft Excel for data wrangling and statistical analysis to uncover key insights into user behavior and preferences.
- Collaborated with a team of 5 interns and associates to create a comprehensive presentation, outlining data-driven recommendations to improve customer satisfaction and the overall functionality of the site for all users.
- Served as the intern leader and primary liaison with the project manager, facilitating effective communication and ensuring project objectives were met.
- Developed and presented visualizations and reports based on our findings to the company's board, which would aim to double their users in the next 2 years.

WilE Corporation, Austin, TX
Data Analytics and Predictive Modeling Intern   Jun 2022 - Aug 2022

- Programmed an algorithmic model integrated with E-Trade's API, designed to execute option trades autonomously.
- Effectively developed an algorithm that bought stock options based on historical and current market data (Volatility, Moving Average, RSI) to predict a positive net change for a specific stock.
- Successfully predicted future trajectories and price changes of stock puts and calls with a 60% success rate.

Vottun, Austin, TX
Data Analytics and Web3 Intern   Jan 2022 - Jun 2023

- Built and moderated a Discord server for developers for the Vottun community that has 300 daily active users.
- Developed an ERC-20 Python Bot that notifies the server of the latest Vottun social media posts and latest announcements for the Developers using the Vottun API.
- Drafted a weekly newsletter about Blockchain, Crypto, De-Fi, NFTs and DAOs that was sent out to over 2000 subscribers.
- Collaborated proficiently with the technical team at the Vottun platform, offering them data-driven user feedback collected via Discord. This feedback pertained to novel features and functionalities of particular interest to our user base.

Independent Projects

Relational Database for Restaurant - Las Marinas   Jan 2021 - Mar 2021

- Built the database's backend using SQL and PHP. Designed and programmed the user interface and the login page with HTML and CSS.
- Source code for the database is available at: https://github.com/pablo-carbajo/restaurant-database.

Predictive Stock/ETF Machine Learning Model   Spring 2023

- Sought to help individuals invest in stocks/ETFs with higher degree of confidence, minimal market research and more free time.
- Created Machine Learning model to predict the closing price of the Vanguard Tech ETF (VGT) with 99% Pearson Correlation.

Additional Information

Skills: Jupyter Notebook, Python, MySQL, ReactJS, PHP, HTML&CSS and Microsoft Office
Languages: Native in Spanish, English, French. Triple citizenship: USA, France, Spain.
Organizations: Texas Silver Spurs, UT Men's Club Soccer (Team Captain), TX Blockchain