

Jean Alvarez

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SUMMARY

Data-driven analyst skilled in Python, SQL, Excel, and Tableau, with experience building financial analysis tools, dashboards, and reporting systems. Adept at integrating business insight with technical execution to support decision-making. Proven success in both public sector operations and private consulting environments.

EDUCATION

University of South Florida – Tampa, FL

B.S. Business Analytics and Information Systems,
M.S. Financial Analytics

May 2025
Fall 2025 – Fall 2026

PROFESSIONAL EXPERIENCE

Data Science Intern

August 2025 – Present

USF IAE at Chief Digital and Artificial Intelligence Office (CDAO) – Tampa, FL

- Design an LLM document classifier to auto-route files to the correct report, with a clear taxonomy and success metrics.
- Building the data & MLOps foundation (ingestion/cleaning, PII redaction, embeddings search, experiment tracking) in a secure environment.
- Implement privacy-first portal analytics with event schema, server-side logging/audit trails, and usage dashboards

Data Analyst Intern

January 2025 – August 2025

USF IAE at United States Special Operations Command (SOFM)

- Developed a Streamlit-based financial analysis app using Python and PostgreSQL to automate reporting for leadership.
- Improved real-time reporting by integrating multiple financial systems, enhancing data accessibility and automation.
- Partnered with analysts and command staff to translate needs into user-friendly analytics tools.

Payroll Specialist

June 2022 – January 2025

Ivette Cases & Assoc. Certified Public Accountants and Business Advisors – Tampa, FL

- Manage payroll processing and regulatory filings across weekly, biweekly, and monthly cycles.
- Generate financial summaries to reconcile payroll expenses and advise clients on trends.
- Produce customized reports on bonuses, PTO, and compliance for state/federal filings.

PROJECTS

Behavioral Finance Research: VAR Modeling of Spending Trends

August 2024 – November 2024

- Led a behavioral finance study examining how shifts in healthcare and education spending affect long-term household contributions to pensions and insurance. Built a Vector Autoregression (VAR) model using Python and economic trend data to identify cyclical patterns and support data-driven financial planning strategies.

Financial Dashboard App – USSOCOM (Python, Stream-lit, Postgres)

January 2024 – April 2024

- Built a secure, role-based financial application using Python, SQL, and Streamlit that allowed employees to update datasets and automatically generate real-time dashboards for leadership visibility across multiple accounts.

Hospital Database Design (SQL Management Studio)

August 2024 – November 2024

- Built a relational hospital database with primary and foreign key enforcement to manage patient, physician, and inventory data efficiently

SKILLS/ CERTIFICATIONS

- **Tools:** Python, SQL, Excel, Tableau, JavaScript, ReactJS, SQL Management Studio, Postgres, ML
- **Techniques:** Data Visualization, A/B Testing, Financial Modeling, Clustering, Dashboard Design
- **Certifications:** USF Data Analytics Program (Excel & Tableau), Google Data Analytics Certification