

ALBERTO MEDINA

Data Analytics Graduate Student | Python | SQL | Machine Learning

Columbus, OH | (614) 946-3675 | a1990alpalo@gmail.com | github.com/a1990alpalo

SUMMARY

Data analytics graduate student with hands-on experience analyzing large datasets using Python, SQL, and machine learning. Skilled in data cleaning, exploratory data analysis, and building predictive models and ETL pipelines. Experienced in developing data visualizations and dashboards to support data-driven decision making.

SKILLS

Languages: Python, SQL, HTML/CSS, JavaScript | Tools: Tableau, Excel, Git

Databases: PostgreSQL, MongoDB | ML: scikit-learn, EDA, Modeling

PROJECTS

Mortgage Application Success Prediction

- Built a machine learning model using Python and Scikit-learn to predict mortgage approval outcomes.
- Performed data cleaning, feature engineering, and model evaluation.
- Deployed the predictive model through a Flask web application for real-time predictions.

Mapping Drug Overdose Trends in Ohio

- Analyzed public health datasets to identify geographic patterns and high-risk counties.
- Built interactive geographic visualizations to communicate trends and regional insights.

ETL Pipeline for Crowdfunding Campaign Data

- Built a data pipeline to extract, clean, transform, and load crowdfunding campaign datasets into PostgreSQL.

EXPERIENCE

Retirement Services Specialist

Morgan Stanley | Columbus, OH | 2023–Present

- Support financial advisors by analyzing retirement account data and assisting with portfolio-related decisions
- Process account transactions (contributions, withdrawals, beneficiary updates) ensuring accuracy and regulatory compliance
- Investigate and resolve account discrepancies by collaborating with cross-functional teams
- Interpret retirement products (401(k), IRA, Roth IRA) and explain financial implications to advisors
- Stay current on tax laws and regulatory changes to ensure compliant account management and reporting

Digital Associate – Wealth Management Operations

Morgan Stanley | Columbus, OH | 2022

- Managed high-volume client interactions (~60 calls/day), resolving account issues and supporting onboarding processes
- Analyzed customer feedback and identified process improvements to enhance service efficiency and client satisfaction

Internal Sales & Services Representative (Bilingual)

Nationwide Financial | Columbus, OH | 2018–2020

- Managed high-volume calls from clients and financial advisors, resolving policy and account-related inquiries
- Processed and validated insurance policy transactions, ensuring data accuracy and compliance
- Educated clients on life insurance products (term, universal, indexed, variable), improving decision-making
- Collaborated with internal teams to resolve complex account issues and improve customer experience
- Consistently met performance goals and contributed to team productivity and service quality

EDUCATION

Master of Science — Business Analytics, Franklin University (Expected 2026)

Bachelor of Science — Personal Finance, Franklin University (2024)

Data Analytics Bootcamp Certificate — The Ohio State University (2024)