
DJUVANE MARTIN

256-694-6682 | djuvanemartin@gmail.com

Portfolio: | <https://github.com/Geo222222>

Objective

Results-driven Python developer and data analyst specializing in data cleaning, analytics, and dashboard development. With expertise in financial markets and technology integration, I aim to leverage my skills in Python, SQL, and machine learning to create insightful dashboards and optimize data-driven workflows for impactful decision-making.

Tools & Skills

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| <ul style="list-style-type: none">• Python• Java• HTML• CSS• SQL• R• Tableau• Power BI• Machine learning | <ul style="list-style-type: none">• Tkinter, PyQt/PySide, Kivy• Cython• Data Wrangling/ETL• Big Data Technologies (Hadoop, Spark, Databricks)• Cloud Platforms (AWS, Azure)• Version Control (Git/GitHub)• Dashboard Development (Shiny, Dash)• APIs and integration |
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Work Experience

Data Science

2019 - Present

Independent Data Science Research & Development

- Collected and analyzed diverse datasets from multiple sources, ensuring data integrity through rigorous cleaning and preprocessing techniques.
- Applied advanced data science methodologies to uncover actionable insights and trends in financial and non-financial domains.
- Engineered scalable machine learning models and data pipelines for predictive analytics and decision support systems.
- Designed and deployed interactive dashboards for comprehensive performance analysis across equities, indices, and currencies.
- Automated financial market processes using Python coupled with machine learning outputs to enhance decision-making for deeper insights.
- Conducted feature engineering, model optimization, and validation to improve prediction accuracy and reliability.
- Technologies: Python, Pandas, NumPy, Scikit-learn, TensorFlow, Tableau, AutoML, and SQL.

Systems Manager

2019-2024

GetTwisted Hair Studio (Remote)

- Optimized POS systems and client databases for streamlined operations.
- Integrated Square POS with Active Directory for secure user management.
- Developed transparent commission-tracking systems to motivate and support staff.

Computer Systems Support

2020 - 2021

National Children's Advocacy Center (TEKsystems)

- Provided technical support for NCAC staff across both Windows and macOS environments, diagnosing and resolving user errors to ensure system reliability and operational efficiency.
- Managed and prioritized user support requests through the ticketing system, adhering to service-level agreements (SLAs).
- Imaged and deployed new hardware using Clonezilla, ensuring seamless transitions from outdated systems to upgraded machines.
- Conducted troubleshooting for software, hardware, and network issues, maintaining minimal downtime for end-users.
- Delivered proactive maintenance and updates, improving system performance and security.

Oakwood University Information Technology

- Spearheaded campus-wide IT infrastructure improvements, and implemented a new ticketing system.
- Automated user management onboarding/offboarding process using custom scripts, reducing setup time by 25%
- Managed computer labs remotely across campus with virtual desktops, overseeing patch management and software upgrades through teradici and VMware vSphere.
- Collaborated with the networking, administrative systems and other IT related teams to develop a centralized knowledge base for new faculty, staff and students to refer to for technical solutions.
- Diagnosed, imaged, and deployed new hardware to optimize system reliability.
- Ensured data security and operational efficiency through proactive troubleshooting.
- Administered and maintained Office 365 and Microsoft Exchange servers, implementing advanced email security measures to block malicious emails and safeguard user accounts against phishing and other threats.

Education

MS: Computer Science, Machine Learning

Full Sail University

Expected Graduation 05/2026

Orlando, FL(Online)

Drake State Community & Technical

Data Analytics – Bootcamp

Graduated 09/2024

Huntsville, AL

BS: MANAGEMENT INFORMATION SYSTEM, Data Analytics

Oakwood University

05/2016

Huntsville, AL

Relevant Projects

UK Food Hygiene Ratings Analysis (NoSQL Database Project)

- Managed a NoSQL database using MongoDB to analyze hygiene ratings from the UK Food Standards Agency
- Imported JSON data, cleaned, and converted geospatial and rating data into numeric formats for accurate analysis
- Conducted exploratory analysis and used aggregation pipelines to identify hygiene trends and high-risk establishments
- Presented findings through Pandas DataFrames and visualizations, aiding journalistic investigations

Home Sales Analysis (Apache Spark and PySpark)

- Analyzed home sales data using SparkSQL to calculate metrics such as average home prices, based on various criteria
- Optimized query performance through data partitioning and caching
- Leveraged SparkSQL for distributed data processing, showcasing improvements in efficiency and scalability

Predictive Modeling for Financial Analysis

- Developed a machine learning model using Python and Scikit-learn for predicting financial outcomes
- Conducted thorough data cleaning, normalization, and iterative model optimization
- Documented model performance metrics, and created visualizations to present results effectively.