

Joe H. Laniado G.

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Dedicated data scientist with a strong emphasis on using KPIs and quantifiable metrics to transform problems into actionable business insights to generate revenue, cut expenses, and minimize risk.
Authorized to work in the UK.

SKILLS & CERTIFICATIONS

ICAgile Certified | Python | R | SQL | Tableau | Cloud Services | GitHub | Data Wrangling | Data Visualization | Machine Learning | Statistical Analysis | Business Intelligence | Big Data | Databases

WORK EXPERIENCE

Data Science Fellow - Defense Tech AI Team / HOH

Remote, USA

Booz Allen Hamilton

May 2025 – July 2025

- Completed a 12-week data science fellowship with more than 300 hours of technical upskilling and 1:1 mentorship sessions with senior data scientists and ML engineers. The coursework was focused on Python, machine learning, NLP, Generative AI, LLMs, computer vision, data visualization and the full analytics lifecycle. This culminated with a capstone project using a 50k+ records dataset to formulate a business problem, gain insights, develop predictive models, and effectively communicate findings to executive stakeholders.

Data & Inventory Analyst

Colorado Springs, CO, USA

Mountain Works, Inc

Dec 2023 – Apr 2025

- Conducted a comprehensive analysis using Python and Microsoft Excel of all the company's databases spanning over 10 years and encompassing more than 500,000 entries of customer, product, sales, and vendor data. The analysis uncovered errors, standardized entries, and implemented a reclassification strategy to optimize operational efficiency. This allowed for the seamless transition to a new Point-of-Sale system that facilitates analytics for sales trends and internal processes, while saving the company an estimated \$150,000 bi-annually.
- Overhauled seasonal product onboarding by automating price and inventory updates across 200 brands and three full product seasons. Used Python scripts to ingest and standardized brand catalogs, update pricing, create new product records, and check for errors. It resulted in cutting seasonal processing time from 5 months to 3 weeks and introduced data quality checks to ensure clean, searchable product data.

Planning Analyst & Data Scientist

Panama City, PA

Copa Airlines

Oct 2022 – Jun 2023

- Developed and deployed a flight revenue multivariate time series forecasting model using Python. It employed more than 10 million records to achieve an average accuracy of 80% across 84 destinations over a 3-month horizon window. This empowered top executives to better estimate future profits and make network and scheduling adjustments where necessary.
- Leveraged data to automate 7 critical procedures by using complex analytical tools (Tableau, Alteryx, SQL Server, and more) supporting the Scheduling, Network Planning, and Alliances departments. Projects include flight rotation feasibility, cost reduction opportunities, slot handling, new destination opportunities and more, improving efficiency by more than 80% and saving the company more than 50k monthly in some cases.
- Designed and engineered a HUB health evaluation tool for the main HUB airport using a data warehouse (Teradata), Alteryx and Tableau. This tool provided a real time analysis for more than 300 daily flights over 32 countries. It identified vulnerabilities in the airline flight network to competitor actions, passenger disruptions, scheduling conflicts, and country specific political or economic instabilities.

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Master of Science in Analytics - Computational Track

Graduation Date: Dec 2023

United States Air Force Academy

Colorado Springs, CO

Bachelor of Science in Computer Science

Graduation Date: Apr 2020