Luke Edwards

Data Scientist

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[LinkedIn](#) • [Portfolio](#) • [GitHub](#)

Summary

Data Scientist with 2+ years of experience in predictive modeling, automation, and data-driven decision support. Master's in Economics with strong training in statistics, forecasting, and Python-based tools. Proven success delivering predictive models, analytical pipelines, and custom analytics tools to support revenue and operational strategy.

Skills

Programming & Data Tools: Python, SQL, Git, JupyterLab, Pandas, NumPy
Data Visualization: Power BI, Matplotlib, Seaborn
Statistics & Analysis: Regression, Time Series Forecasting, A/B Testing, Hypothesis Testing
Machine Learning & AI: scikit-learn, XGBoost, Random Forest, Feature Engineering, NLP, Generative AI (LLMs), Prompt Engineering

Professional Experience

Data Scientist – CIBT (Remote)   May 2025 – Present
- Developing a machine learning model in Python to explain NRPU performance and reduce manual variance analysis by 2–3 hours per week
- Building a generative AI tool for automated lead sourcing to reduce manual research effort by over 70%
- Designing Power BI dashboards to automate commission reporting and improve accuracy
- Delivering weekly insights on performance trends to leadership, streamlining reporting and supporting data-driven business decisions

Senior Business Intelligence Analyst – CIBT (Remote)   Jul 2023 – Apr 2024
- Standardized enterprise-wide reporting, reducing redundancies by 60%
- Built Power BI dashboards for real-time insights, improving decision-making
- Optimized SQL queries to cut reporting time by 43%
- Integrated Snowflake pipelines for more efficient access to reporting data

Senior Financial Analyst – Interface Financial Group (Bethesda, MD)   Jun 2022 – May 2023
- Automated client analysis with Python, reducing processing time by 93%
- Conducted credit risk and investment evaluations across clients
- Partnered with leadership to improve data-driven underwriting

Projects

Earnings Call Analyzer (Python)
- Built an NLP pipeline to analyze 220+ earnings call transcripts and detect tone patterns linked to stock performance
- Applied sentiment analysis and text mining to extract market signals from unstructured financial language

Customer Subscription Model (Python)
- Trained a Decision Tree model to predict subscription preferences based on user engagement patterns
- Engineered features like frequency, plan type, and support history to improve retention

Counter-Strike Match Outcome Predictor (Python)
- Developed a predictive model for CS2 match outcomes using team stats, map history, and recent performance trends
- Built simulation logic to test best-of-three scenarios and surface win probabilities

Education

Master of Economics – Boise State University   2020 – 2022
Bachelor of Science in Economics – University of La Verne   2016 – 2019

Certifications & Activities

Google Advanced Data Analytics Professional Certificate   2024
Collegiate Esports Team Captain – Boise State University   2020-2022
NCAA Collegiate Basketball Player – University of La Verne   2016-2019