

# Luke Edwards

## Data Scientist

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

## Summary

Data scientist with 2+ years experience in predictive modeling, business intelligence, and automation. Proven impact includes 93% faster client analysis via Python and 43% SQL efficiency gains. Earned a Master's in Economics focused on machine learning, statistical analysis, and data visualization.

## Skills

**Programming:** Python, SQL

**Data Visualization:** Power BI, Matplotlib, Seaborn

**Machine Learning:** scikit-learn, XGBoost, Random Forest, NLP

**Statistical Analysis:** A/B Testing, Hypothesis Testing, Regression

**Data Tools:** Snowflake, DAX, Pandas, NumPy, SciPy

## Professional Experience

### Senior FP&A Analyst – CIBT (Remote)

May 2025 – Present

*Data Science Focus: Forecasting, data analysis, Power BI*

- Review weekly financial reports to spot trends, unexpected changes, and areas needing further analysis
- Compare actual results to forecasts and explaining key differences in revenue, completions, and pricing
- Exploring ways to improve forecasting using data and simple modeling techniques
- Create Power BI dashboard to improve commission tracking and analysis

### Senior Business Intelligence Analyst – CIBT (Remote)

Jul 2023 – Apr 2024

*Data Science Focus: Predictive modeling, SQL optimization, and Power BI dashboards.*

- Standardized enterprise-wide reporting, improving visualization consistency and reducing redundancies by 60%
- Designed and implemented Power BI dashboards for real-time insights, enhancing leadership decision-making
- Optimized SQL queries, achieving 43% faster reporting times, enabling quicker strategic decision-making
- Integrated Snowflake data into Power BI, improving data interoperability across departments

### Senior Financial Analyst – Interface Financial Group (Bethesda, MD)

Jun 2022 – May 2023

*Data Science Focus: Python automation, financial modeling, and risk analysis.*

- Automated client analysis with Python, reducing processing time by 93% and saving teams 20+ hours monthly
- Conducted financial and risk analysis, including credit assessments and investment evaluations
- Collaborated with senior management to refine underwriting guidelines and risk protocols

## Projects

### Earnings Call Transcript Analyzer with NLP (Python)

- Built NLP pipeline to analyze 220+ earnings call transcripts, identifying tone patterns tied to stock performance

### Customer Subscription Preference Prediction Using Machine Learning (Python)

- Developed Decision Tree model to predict customer subscription preferences using engagement features
- Engineered features like engagement frequency and support interactions to inform marketing strategies

### Employee Churn Prediction Model with Random Forest (Python)

- Created Random Forest model predicting employee churn with 90% accuracy, aiding retention strategies
- Provided insights into key churn drivers, aiding HR in retention strategies

## 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