

JOSEPH RUSSONIELLO

Data Scientist

PROFESSIONAL SUMMARY

Data Scientist 3 years experience in data engineering and applied machine learning, bridging large-scale data pipelines and predictive modeling. Leverages PySpark, Hadoop, SQL and Python to accelerate data processing and improve model readiness, and builds BI solutions with Power BI and Direct Lake schemas to cut reporting and load times dramatically. Focused on scalable, cost-effective data platforms and continuous learning in systems programming and model optimization.

EMPLOYMENT HISTORY

DATA ENGINEER

Trinity Property Consultants

May 2025 - Present

California, United States (Hybrid)

- ◆ Engineered PySpark, Hadoop, and SQL workflows, boosting data processing efficiency by 80% across business domains.
- ◆ Designed STAR schema Direct Lake data models to optimize BI performance, decreasing load times by 15x.
- ◆ Replaced SaaS Business Reporting with tailor-made solutions, saving around \$1.5 million yearly.

COURSE ASSISTANT

Faculty of Computing & Data Sciences at Boston University

Jan 2025 - Present

Boston, Massachusetts, United States

- ◆ Designed and delivered Rust and memory efficiency modules, increasing code performance understanding among students.
- ◆ Integrated WSL workflows to enhance cross-platform lab accessibility for a diverse student cohort.
- ◆ Guided students through neural network troubleshooting, producing measurable improvements in assignment pass rates.

DATA ANALYST INTERN

Red Tail Acquisitions

Aug 2024 - Jul 2025

Irvine, California, United States (Hybrid)

- ◆ Developed Power BI Models, cutting report generation time by 95%.
- ◆ Implemented statistical and ML models to improve budget forecasts for a multi-million-dollar portfolio.
- ◆ Streamlined data pipelines to increase model training throughput and predictive accuracy.

EDUCATION

BACHELOR OF SCIENCE IN DATA SCIENCE

Boston University

Aug 2022 - Present

Boston, MA

GPA 3.98. Treasurer of Boston University on Broadway. Boston University AI Development Acceleration Researcher.

SKILLS

Python, Machine Learning, Data Visualization, Business Intelligence, Rust, Web Scraping, Microsoft Fabric, Data Engineering, Predictive Modeling, Pytorch, Scikit learn, Numpy, Cloud Computing, Statistical Analysis.

LINKS

LinkedIn: www.linkedin.com, GitHub: github.com, Portfolio: joeyrussoniello.netlify.app.

PROJECTS

STS WIN PREDICTION

Built an end-to-end Slay the Spire win-prediction LSTM pipeline using PyTorch, a custom dataset, SVD deck embeddings, and automated evaluation tooling. <https://github.com/JoeyRussoniello/sts-win-prediction>

RUST AUTOGRADER

A tiny Rust CLI that bootstraps autograding for GitHub Classroom Rust assignments. Parses AST for tests and generate a ready-to-run Actions workflow. <https://crates.io/crates/autograder-setup>

FROSTS

A fully documented pandas-like framework and compiler for Power Automate and the Excel Office Scripts API. <https://joeyrussoniello.github.io/frosts/>