

Eduardo Benjamin

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BOULDER, CO

OBJECTIVE

Data Scientist with strong programming and data analysis skills. Experienced in automating solutions and managing complex datasets. Seeking an analyst role to apply my technical skill and provide data-backed insights.

EDUCATION

University Of Colorado Boulder | Bachelor of Information Science | 2022 - 2025 | 3.8 GPA

Arapahoe Community College | Associates of Science | 2019 - 2022

SKILLS

Programming Languages & Tools: Python, SQL, Microsoft Suite, Rust, JavaScript, HTML/CSS, Tableau,, Git, Azure

Technical Abilities: Predictive Analysis, Loan Analysis, Stock Analysis, Machine Learning, Full Stack Development, Databases

Professional Abilities: Communication, Teamwork, Problem-Solving, solution-oriented mindset

WORK EXPERIENCE

Data Engineer/Buisness Analyst | SitusAMC | Risk Advisory Department | May - August 2024

- Collaborated on **large-scale loan datasets** exceeding \$20k loans, with a focus on **enhancing data accuracy** and **improving reporting** efficiency.
 - Collaborated on developing Rust-based parser to **translate >50k queries** from proprietary dialect into SQL, **streamlining data processing** and reducing manual workloads. SQL queries used to aggregate data, amortize loans, and generate Standard Monthly Mortgages (SMMs).
 - Conducted predictive analysis to forecast loan performance, **supporting strategic decision-making, client success, and consulting** on risk assessment.
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PROJECTS

CREDIT DEFAULT MODEL

Developed a **predictive model** for loan default using machine learning techniques and **exploratory data analysis**, aimed at supporting financial institutions in risk management and lending strategy optimization. Utilized **visualizations to uncover key patterns** and discover important trends within features. The final model achieved an **accuracy on 95% and a F1 score of 96%**, validating its performance on the test data.

COMPREHENSIVE STOCK TRADING MODEL

Developed a machine learning-based **trading model** for S&P 500 stocks, **leveraging technical indicators to predict price movements** and generate trading signals, achieving a **23% annual return** in simulation testing.

FORMULA 1 RESTFUL API

Developing a **RESTful API** to enhance my understanding of API architecture and backend development. The API, built with **Python** and **FastAPI**, provides comprehensive data on Formula 1, including drivers, circuits, and race results, backed by a **PostgreSQL database**. The **React frontend** allows for **efficient data integration including, retrieval and interaction**. Continuously adding features to improve functionality and user experience.

COMMUNITY INVOLMENT

CodingWithKids | Coding Instructor | August 2023 - Present

- Teach programming concepts to children aged 8-14 using Python, Java, HTML, and C#.
- Develop and implement engaging lesson plans to foster students' interest in technology. Any given class consists of; communicating complex ideas clearly and adapting to different audiences.