**Alexander Lori**

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**Professional Summary**

Data Science master’s student with hands-on experience in investment research and data projects. Skilled in statistical modeling, NLP, machine learning, and data visualization. Proficient in Python, SQL, and R, with a proven ability to derive actionable insights from complex datasets.

**Technical Skills**

Python, R, SQL, Excel, Google Suite | Machine Learning (XGBoost, Random Forest), NLP (Sentiment, Topic Modeling), Clustering, Predictive Modeling | Data Acquisition, Cleaning, Visualization (matplotlib, seaborn)

**Projects**

**Steam Review Playtime Prediction (Capstone, 2025)** – Built NLP + ML pipeline on 60k reviews; clustering & regression (XGBoost R²=0.70) predicted playtime trends.

**IMDb Sentiment Analysis (Course Project, 2023)** – Analyzed 50k reviews with TF-IDF & topic modeling; SVM/Naive Bayes models achieved ~90% accuracy.

**Finance & Investment Research (Internship, 2022)** – Extracted SEC/market data, built portfolios & forecasts, presented in weekly research reviews.

**Experience**

**Long-Term Substitute Teacher – 7th Grade Science** – Bristol Public Schools (Feb–Jun 2025): Delivered NGSS instruction to 85 students; designed labs & assessments; applied data-driven evaluations.

**Investment Research Intern** – AIDVP (Summer 2022): Collected/analyzed SEC filings; built investment models; presented findings in reviews.

**Education**

**M.S. Data Science (Expected Fall 2025)** – Central Connecticut State University – Coursework: ML, NLP, Data Science Fundamentals; Capstone: Steam review NLP+ML pipeline.

**B.S. Physics (Astrophysics, 2021)** – University of Connecticut – Award for Excellence in Physics (2018); Coursework: Statistical Mechanics, Computational Physics, Complex Systems.