

Joseph Russoniello

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EDUCATION

Boston University College of Computing and Data Science | Boston, MA

August 2022-May 2026

Bachelor of Science in Data Science, Minor in Hospitality Administration | GPA: 3.98/4.0

Relevant Coursework: Data Structures, Algorithms and Analysis, Machine Learning, UX/Visualization Design, Linear Algebra, Statistics, Calculus, Programming

Awards & Honors: Dean's List (Fall 2022 - Present), Kilachand Honors College B.S. Nominee (Fall 2022 - Present)

RELEVANT EXPERIENCE

Red Tail Property Acquisitions | Hybrid, Irvine, CA

June 2024 - Present

Data Analyst Intern

- Designed and managed SQL databases to support Python-based machine learning models.
- Developed automated reporting solutions using Power BI and TypeScript, enhancing business intelligence capabilities.
- Leveraged statistical and machine learning models to optimize budget forecasting for a multi-million-dollar portfolio.
- Streamlined asset management reporting, weekly property reviews, and market analysis, improving operational efficiency.
- Created custom data visualizations with Seaborn, Matplotlib, and Power BI to drive data-driven insights.

Highway West Vacations | Hybrid, Grand Lake, CO

May 2023 - May 2024

Revenue Management Intern

- Developed corporate budgets by integrating same-time-last-year (STLY) and projected data for accurate financial planning.
- Compiled and presented data in concise, actionable reports using Power BI and DAX, supporting executive decision-making.
- Automated data imports for Excel databases using TypeScript and SQL, streamlining data workflows.
- Analyzed company performance trends to determine optimal daily property rates and maximize revenue.
- Conducted market research on competitive sets and forecasted demand for potential property acquisitions, supporting strategic investment decisions.

TECHNICAL PROJECTS

Real Estate Comp. Set Web Scraper | Data Analyst Intern Capstone

Summer 2024

- **Developed a high-efficiency web scraper** using Selenium, pandas, and parallel processing for headless browsing, streamlining data collection on competitor properties.
- **Conducted market analysis** on competitor data to evaluate positioning and inform strategic price recommendations, leveraging multidimensional regression models.
- **Designed Power BI dashboard templates** to visualize competitor data and market trends, enabling clear insights for pricing strategy and performance comparison.

- Trained a model to forecast Super Bowl-winning teams based on historical performance, achieving 95% accuracy and 70% recall on the test set, and implemented a Random Forest Classifier to predict the winner of individual games with 59.8% accuracy.
- Utilized Python libraries such as **scikit-learn**, **pandas**, **BeautifulSoup** and **seaborn** for data analysis, gathering, and modeling.

ADDITIONAL EXPERIENCE

Boston University On Broadway | **Boston University** August 2023 - May 2024

Treasurer

- Manage the \$30,000 annual budget of the organization and oversee all financial transactions.
- Organized events and workshops to foster artistic exploration and creativity within the theater community.

Poyiadjis Innovation Competition | **Boston University School of Hospitality** August 2023 - May 2024

Marketing Lead / First-Year Member

- Generated significant student engagement and participation in a startup innovation competition through targeted marketing campaigns and outreach initiatives.
- Led the development and execution of marketing strategies to promote the Poyiadjis Innovation Competition, increasing visibility and attracting diverse student participants.

SKILLS

- **Programming Languages:** Python, R, SQL, JavaScript, Typescript, Rust, DAX, git
- **Tools and Technologies:** PowerBI, OfficeScripts, Power Automate
- **Machine Learning:** Supervised and Unsupervised Learning, A/B Testing, NLP, K-Means Clustering