

Jack Dolitsky

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EDUCATION

Syracuse University, Syracuse, NY
Master of Science; Applied Data Science

August 2021 - May 2023

Syracuse University, Syracuse, NY
Bachelor of Science; Sport Analytics

August 2017 - May 2021

- Magna Cum Laude
- Academic Excellence Chair; Delta Upsilon International Fraternity

EXPERIENCE

RTInsights

New Rochelle, NY

Data Science Intern on Technology Team

June 2022 – August 2022

- Conducted an investigation assessing the effect of timing, syntax, and semantics on tweet engagement in Python; created a report with visualizations and modeling results guiding marketing team to optimize twitter strategy.
- Built a pipeline between the Google Analytics and Sheets APIs to construct a dashboard for user analytics.
- Learned PHP in order to port a subscription paywall into a plugin to convert free article readers into subscribers.

SOAP Health

Remote Work

Quantitative Research Intern

July 2021 – August 2021

- Led an independent research project searching for predictors of financial success among digital health startups.
- Compiled a novel dataset on firm performance and potential predictors; conducted exploratory industry research.
- Applied regression analysis and created visualizations using R to share conclusions with founder.

BSE Global

Brooklyn, NY

Finance Analytics Intern

June 2019 – August 2019

- Presented to executives about innovative ways to use artificial intelligence in an effort to push BSE forward.
- Cleaned and wrangled SQL databases.
- Aggregated CRM data to optimize customer outreach.

StayBilley

Syracuse, NY

Marketing/Analytics Intern

September 2018 – December 2018

- Analyzed social media metrics and tracked the number of impressions to evaluate social media campaign success.
- Street Marketing Team: advertised the brand at events in order to capture possible users through email lists.

PROJECTS

Predicting NBA Free Agent Salaries

IST 707: Applied Machine Learning

- Trained a model in R to predict the salary range of NBA free agents using player stats from the prior season.
- Tested Random Forest and SVM models; Improved accuracy of RF by 10.6% through hyperparameter tuning.

Factors that Contribute to NBA Scoring

IST 652: Scripting for Data Analysis

- Examined position, physical attributes, and era to determine what leads to being a great scorer in the NBA.
- Created a linear regression and visualizations; Found that more variables were needed to tell complete story.

Syracuse University Tutoring Database

IST 659: Database Management

- Designed a SQL database for a hypothetical Syracuse University tutoring service.
- Started with a conceptual model, followed by a logical model, then constructed tables populated by dummy data.

SKILLS

Software Platforms: Microsoft Suite, Google Suite, and Tableau

Programming Languages: Python, R, SQL, HTML, JavaScript, PHP

Methods: Data visualization, database management, causal inference, data cleaning, and pipeline engineering

Interests: Sport Analytics, uncleaned data and colorful data visualizations, basketball, chess