

JOSEPH BOARDMAN

DATA SCIENTIST

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SUMMARY

Professional in the Financial Services industry making a career change to Data Science. Experienced with Python and SQL to execute data wrangling, exploratory data analysis, data visualization, machine learning modeling and data storytelling. Prior experience in operational finance roles using tools like Microsoft Excel & VBA to tell an interesting story with data as well as automating processes led me to pursue advanced learning and a career in Data Science.

SKILLS

LANGUAGES: Python (Pandas, NumPy, PySpark), SQL

DATA COLLECTION: JSON, CSV, API, Web-Scraping

DATA VISUALIZATION: Matplotlib, Seaborn, Tableau

MACHINE LEARNING: Hypothesis Testing, Linear Regression, Logistic Regression, Classification, Random Forest, Naive Bayes, K-Means Clustering, Neural Networks, Natural Language Processing, Neural Networks, Tensorflow, Keras

DATA SCIENCE PROJECTS

Using Machine Learning to Predict MLB Player OPS

Aug. 2020 - Oct. 2020

- Python Tools: Pandas, NumPy, Scikit-Learn (Linear Regression, Gradient Boosting, Random Forest, GridSearchCV), Matplotlib
- Problem: Player evaluators are always trying to predict the future production of a player with only knowledge of the past
- Solution: Using a player's past statistics and other features (salary, age, etc.) I was able to predict future OPS 20% better than just using the prior year's OPS to predict

EMPLOYMENT

JP Morgan Chase & Co., Technology Finance Senior Associate, Boston, MA

Jun. 2017 - Current

- Partner with clients in the Operations Technology organization to help them effectively meet budget expense and headcount targets while also achieving metrics set by management
- Built several solutions in Microsoft Excel that provide a greater level of transparency to my various clients' organizations which allows them to be proactive in planning processes
- Selected to take part in unique projects where I partner with peers on the broader Technology Finance & Business Management team as a subject matter expert
- Develop and deliver presentations on a monthly basis to provide a comprehensive business update to senior management

Retail Finance Analyst, Columbus, OH

Aug. 2016 - Jun. 2017

- Owned the financial modeling process for Chase branch consolidations and new builds.
- Performed routine maintenance on a monthly and quarterly basis to keep our models up to date
- Developed additional VBA macro functionality in our models to automate manual processes, decreasing consolidation modeling time by approximately 60%
- Performed sensitivity analyses to better illustrate the impact of particular branch actions

Mortgage Finance Analyst, Columbus, OH

Jul. 2015 - Aug. 2016

- Collaborated with different business groups to track, forecast and report headcount and expenses.
- Performed analysis and reporting on an ad hoc basis for numerous projects including variance analysis reports and trend scorecards.
- Optimized weekly and monthly processes by using features in Microsoft Excel to automate manual tasks.
- Served as team leader of an Analyst Newsletter Committee and facilitated the completion and distribution of the newsletter.

Sentinel Investments, Financial Analysis Intern, Montpelier, VT

Jun. 2014 - Aug. 2014

- Performed various types of trend, variance and projection analysis on sales and profitability results.
- Gathered and analyzed both industry and proprietary sales data to identify markets the firm should target based on both quantitative and qualitative analysis using both Microsoft Excel and Access.
- Developed presentations designed to communicate company results to executive management team.
- Awarded \$1,000 bonus in special recognition of summer work projects.

EDUCATION

Springboard Data Science Career Track, Certification

May 2020 - Nov. 2020

6-month intensive course in data science, machine learning, Python and SQL.

Miami University

Aug. 2011 - May 2015

BS Finance 2015

Minor Chinese 2015

Shanghai University of Finance and Economics

Aug. 2013 - Jan. 2014

Studied abroad in Shanghai for a semester

VOLUNTEERING

Head of Community Advancement Program for Kappa Sigma Fraternity

Jan. 2014 - Jan. 2015

Oxford, OH

Organized several philanthropy and community service events for my fraternity to give back to local community

Dublin Youth Soccer, Coach

2016 - 2017

Columbus, OH

Coached an 11-12 year old soccer team