Noah Monastersky

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Data Scientist

I provide a wide range of skills to find analytical solutions to complex problems using my background in data, consulting, and finance. I pose challenging questions to develop data models that lead to targeted strategies for ensuring all stakeholders have the information and tools they need to be successful.

SKILLS
Programming Languages: Python, SQL, Advanced Excel.
Python Packages: Pandas, NumPy, SciKit-Learn, Beautiful Soup (Web Scraping).
Statistical Concepts: Hypothesis Testing, Regression and Classification Modeling, Natural Language Processing, Neural Networks, Bayesian Statistics.
Data Visualization: Matplotlib/Seaborn Visualizations, Tableau.
Other Tools: Jupyter, Git.

WORK EXPERIENCE
Data Science Immersive Program   February 2019 – May 2019
General Assembly, Washington D.C.
- Developed and applied skills in data analysis and data visualization skills in a 500-hour immersive course.
- Created a credit card fraud detection tool to analyze over 284,000 charges. Using a random forest model and Bayesian statistics, predicted all instances of fraud with a recall score of 1.0. Created a widget to predict whether charges are fraudulent.
- Researched the impact that Hurricane Sandy had on wages and unemployment for numerous cities on the Northeast coast by using SARIMA modeling to account for seasonality.
- Applied Natural Language Processing (NLP) to over 2000 Reddit posts about TV comedies to develop a binary classification model for identifying the shows being discussed. The model achieved an accuracy score of .90.
- Analyzed over 2000 sold houses in Ames, Iowa, to develop a multiple linear regression model based on dozens of features that correctly predicted sales prices for homes. The model achieved an R^2 score of .88.
- Completed 35 labs and 5 projects, leveraging data-science best practices to solve real-world problems, using coding packages (Python, NumPy, SciPy, Pandas, SciKit-Learn, Git, SQL) and data visualization packages (Matplotlib, Tableau).

Consultant, Financial Analyst   March 2018 – March 2019
Booz Allen Hamilton, McLean, VA.
- Ensured payment of $7M+ in invoices monthly by communicating with program managers and clients.
- Evaluated potential risks of projects to provide leadership with an assessment of each project's value.
- Conducted cash-flow breakdowns for month-end financial reporting for Senior Associates.

EDUCATION
General Assembly, Washington D.C.   February 2019 – May 2019
Data Science Immersive

University of Maryland, College Park, MD   September 2017 – December 2017
- Upper-level economic and mathematics classes.

The University of Iowa, Iowa City, IA   August 2013 – May 2017
B.A. Economics

Cuba Study Abroad Program, Havana, Cuba   December 2016 – January 2017
- Researched and conducted analysis of the impact of the trade embargo on Cuba during the first year that Cuba was open to the United States.