

BENJAMIN SHAIMAN

EXPERIENCE

Metis · New York, NY 06.2020 - 09.2020
Data Scientist

Metis is an ACCET accredited 12-week immersive data science bootcamp with focus on python, statistics, supervised and unsupervised machine learning, data analysis, data visualizations, database management, and communication. Designed five end-to-end projects utilizing data acquisition, cleaning and modeling to derive data-driven insights, presented results to technical and non-technical audiences.

Machine Learning Sommelier

- Created an analytical recommendation engine using neural network-based clustering to suggest wines based on text-based descriptions of taste and flavor-profiles
- Developed a web-app using Streamlit to make wine suggestions based using a variety of machine learning models, and breaking down suggestions by variety, country of origin, price, and rating

Topic Modeling and Disagreement-Analysis in Jewish Religion Texts

- Leveraged natural language processing dimensionality-reduction techniques to analyze and classify the inherent topic-groups in early first-millennium Jewish texts
- Utilized document comparison techniques to track inconsistencies of opinions and rulings within individual documents

US Congressional Election Classification

- Compared a collection of classification algorithms to predict party-victories over a repeated nation-wide panel of congressional districts
- Developed a series of Tableau dashboards to analyze model-strength and illustrate prediction-biases

Freakonomics · New York, NY 10.2019 - 01.2020
Intern

- Assisted in production of the *Freakonomics Radio Podcast*, including research, interviews, and copy-editing
- Planned and executed social media strategy in promotion of weekly podcast episodes and blog posts

Brandeis University · Waltham, MA 08.2018 - 01.2019
Economics Teaching Assistant

- Facilitated weekly office hours and recitations for *Economics 10A: Introduction to Microeconomics*
- Proctored examinations and graded examinations and homework assignments

UK Liberal Democrats · London, UK 06.2018 - 07.2018
Hansard Society Scholar

- Conducted policy research in data security and labor rights for party's economic team
- Aided in party operations and daily preparation for parliamentary debates in the House of Lords
- Completed coursework in politics and public policy at the London School of Economics

New York Life Insurance Company · New York, NY 06.2017 - 08.2017
Strategy, Research, and Analytics Intern

- Built interactive dashboards for company-wide use in research, marketing, and sales of retail annuities
- Developed and led educational programs in relevant database software
- Maintained predictive models for annuity markets, pricing, and revenues

CONTACT

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EDUCATION

Brandeis University
BA Economics and History
2019

Cum Laude with High Honors in Economics
Senior Thesis: Uncertainty in Equity-Premium Prediction and the Cross-Section of Expected Returns
Dean's List 2016, 2017, 2018, 2019
Omicron Delta Epsilon – International Honor Society for Economics
Morris Homonoff Prize in Yiddish

SKILLS

LANGUAGES/TOOLS

Python
Pandas
NumPy
Spacy
Scikit-learn
Keras
NLTK
Git
SQL
Java
VBA

MACHINE LEARNING

Regression Analysis
Time-Series Modeling
Classification
Clustering
Natural Language Processing
Web-Scraping

DATA MANAGEMENT

PostgreSQL
MongoDB

VISUALIZATION

Tableau
Seaborn