JESS CHACE

DATA SCIENTIST | INVESTIGATOR

Relies on a combination of programming skills, statistical analysis, data mining, machine learning, common sense, and instinct to identify and predict purpose-driven problems for government agencies and government-adjacent consulting firms.

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TIMELINE

- 2012-2015: US Attorney's Office, Southern District of New York, Paralegal
- 2015-2016: Attorney General's Office, Division of Criminal Justice, NJ, Detective
- 2016: Exiger, NY, Consultant
- 2017-2018: Exiger, NY, Senior Consultant
- 2018: General Assembly, NY, Data Science Fellow

EDUCATION

2011
COLUMBIA UNIVERSITY
B.A. Classics
Dean's List: 2009-2011
Honor Senior Thesis

ATTRIBUTES

ANALYTICAL

TEAM ORIENTED

WILLING TO LEARN

SELF-RELIANT

EXPERIENCE

- Investigations: Performed on-site reviews of international affiliate banks in support of the court-ordered five-year monitorship of HSBC. Analyzed correspondent banking activity and transaction monitoring alerts. Investigated a global private customer in a year-long review. Investigated crimes of public corruption. Assisted 13 federal trials.
- Data Analysis: Explored, cleaned, and feature engineered datasets to predict values using Regression and Classification models.
- Data Visualization: Created visualizations of connections among people, financial institutions, and transactions using Analyst Notebook. Plotted illustrative graphs in Plotly, Seaborn, Matplotlib.
- Research: Conducted searches of public and corporate records across multiple jurisdictions to identify potential shell companies.

PROJECTS

- SEC FILINGS: Tried to predict 'Bad Actor' Corporations by the types of filings they report in concert with other demographic information using web-scraping, data analysis, and machine learning to help financial regulators like the SEC focus their investigations of white collar crime.
- REDDIT 'HOT' POSTS: Web scraped Reddit and applied Natural Language Processing to titles of posts. Conducted a sentiment analysis of corresponding comments.
- WEST NILE VIRUS: Predicted where WNV might be present in Chicago using balanced classes and advanced modeling techniques.
- AMES, IOWA HOUSING PRICES: Predicted housing prices using Linear Regression. Identified correlated features.
- TITANIC SURVIVABILITY ODDS: Analyzed Kaggle dataset to determine which features predetermined a passenger's fate.

SKILLSET

PYTHON	STATISTICAL ANALYSIS	DATA VISUALIZATION	WEB SCRAPING
DATA MINING	NATURAL LANGUAGE PROCESSING	BIG DATA	IMAGE CLASSIFICATION
RELATIONAL DATABASES	MACHINE LEARNING	DATA ENRICHMENT	DATA MODELING