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WORK EXPERIENCE

Alpha Vantage (Y Combinator)

Sep 2020 - Dec 2020, Nov 2022 - Present

Data Scientist, Data Engineer – Natural Language Processing

- Built a natural language model focused on financial sentiment analysis and text summarization (confidential)
- Spearheaded the creation of a Google Newsfeed RSS web scraper, mentoring an intern on best coding practices and API building

FTW Foundation

May 2022 - Present

Machine Learning and Python Instructor

- Taught core data science concepts in supervised and unsupervised learning, and mentored ~60 scholars in their capstone projects presented to Asian companies, attaining an average scholar salary increase of 159%

The D. E. Shaw Group

Jun 2020 – May 2022

Investor Relations Associate - Natural Language Processing and Machine Learning

- Built, deployed, and maintained models and dashboards that informed the business of current trends in investor preferences which led to (confidential) fund creation for one of the world's largest hedge funds (60B USD AUM)
- Created an end-to-end machine learning pipeline that evaluated and reported sentiment and other NLP statistics of investor meetings which contributed to relationship management and product decisions (confidential)

SharpestMinds (Y Combinator)

Dec 2018 – Present

Data Science Fellow

- Built an NLP-based recommender system for Pangea.App (Y Combinator), a P2P online-marketplace for students

Huntington National Bank

Sep 2017 – Jan 2019

Quantitative Risk Analyst (Modeling and Data Analysis)

- Reduced financial losses by predicting probability of fraud on 6M+ debit card/credit card transactions using machine learning methods like logistic regression, random forest, and clustering
- Designed and ran experiments on various fake ID detection software vendors to determine the predictive power of each, reducing losses by ~\$170,000 annually

JPMorgan Chase & Co.

Jun 2016 – Aug 2016

Global Analyst (Business Process Reengineering)

- Implemented new process for compressed week by strategically planning and coordinating with different lines of business across human resources, mortgage banking, loan administration, and legal for 14,000+ employees in over 3 locations

PUBLISHED BOOKS

- [The Data Resource \(New Degree Press, July 2019\)](#): Author of The Data Resource: How Emerging Countries Can Thrive in a Changing Landscape

SELECTED PROJECTS AND INVOLVEMENTS

- [GPT-3 Based Cover Letter Generator](#): Created a cover letter generator using the DaVinci model of OpenAI, which garnered over ~10k views on Medium; was invited to discuss my project on a global podcast with Towards Data Science
- [Towards Data Science](#): Editor of a Medium's most viewed blog and the world's most read data science blog (viewership of ~220K subscribers as of 2019)
- [NYU CDS Women in Data Science](#): Founder and Co-President

EDUCATION

New York University, New York, NY

Sep 2019 - May 2021

M.S. Data Science

- GPA: 3.87/4.00 Classes include: *Machine Learning, Big Data, Statistics, NLP Independent Study, Deep Learning*

Brown University, Providence, RI

Sep 2013 - May 2017

B.A. in Archaeology and the Ancient World, B.A. in Economics – Professional Track (Honors)