NICK SAWHNEY

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PROFILE

I am a Software Engineer and Data Scientist with a passion for accessible data, visualization, and social impact. I have demonstrated engineering, research, and management experience, and I hope to find a challenging position that also provides real human impact. Learn more about my work at https://nicksawhney.github.io/me/

EDUCATION

NYU Tandon School of Engineering: MS Candidate in Computer Science on the Artificial Intelligence Track, c.o. 2022

NYU College of Arts and Sciences: BA in International Relations with Honors, with minor in Computer Science, c.o. 2020

GPA: 3.87, Magna Cum Laude

SKILLS

Python, Pandas, SQL, Go, C++, JavaScript, Java, Numpy, Sklrean, Tensorflow, Keras, Matplotlib, AWS, Elastic, Flask, Google Cloud, Pytest, Machine Learning, Neural Net Architecture, Natural Language Processing, Jupyter, Shell, and others.

EXPERIENCE

Developer - Bernie Sits App — January 2021

Built and scaled viral meme-creation application using Flask, CV2, Google Maps, and Heroku amidst press attention and API costs. Covered in BuzzFeed, Wired, NYTimes, Insider, and others. Managed crowdfunding to pay for the site, totaling at 9.8 million API requests over 4 days.

SWE and Data Science Intern - Skopos Labs — 2019-2020

Built and maintained financial simulation and schema enforcement library for machine learning engineers using Pandas, with pipelining using AWS EC2, SQL, and Boto. Managed interns working on data science projects and taught visualization tools, e.g. seaborn. Focused on developer-oriented and test-driven development using nose and pytest.

Thesis on Transportation Policing — 2020

Designed difference-in-differences model to predict the impact of fare-evasion arrest decriminalization on arrest patterns in the New York City subway system. Created datasets with NYC Open Data and pandas. Created interactive data exploration map with Folium in Python. https://nicksawhney.github.io/fare_evasion/

Paper on Deception Detection — 2019

Designed Convolutional Neural Network operating on Word2Vec Language Embeddings in tensorflow to model misinformation prevalence in articles based on language alone. Leveraged scikit-learn to perform dimensionality reduction and test classical architectures such as support vector machines and nearest neighbors and analyzed computational tradeoffs.

General Manager, WNYU Radio — 2019

Delegated tasks while managing finances and radio programming of FCC-licensed radio station. Hosted weekly podcast on technology news and social implications of modern technology