

EDWARD FREEDMAN

DETAILS

ADDRESS

25 Indian Chase Drive
Greenwich, 06830

PHONE

1 (917) 716 0338

EMAIL

ebf45@cornell.edu

SKILLS

Python (Pandas,
Scikit-learn, NLTK,
Matplotlib)

SQL (MySQL, PostgreSQL,
SQL Server)

R

Java

Tableau

Elasticsearch

Kibana

Docker

Microsoft Excel

AMPL

Looker

Git

APIs

INTERESTS

Cornell Club Water Polo
Team, Chi Psi fraternity,
skiing, traveling, guitar,
architecture

EDUCATION

Master of Engineering, Cornell University

Ithaca, NY

Jan 2022 — Dec 2022

Operations Research and Information Engineering, concentration in Data Analytics

Bachelor of Science, Cornell University

Ithaca, NY

Aug 2018 — May 2022

Operations Research and Engineering, minor in Computer Science

EMPLOYMENT HISTORY

Incoming Decision Scientist Intern, PayPal

New York, NY

Jun 2022 — Aug 2022

- Buy Now, Pay Later (BNPL) Team

Data Scientist (M.Eng. Project), Johnson & Johnson

Ithaca, NY

Jan 2022 — May 2022

- Model patient referral patterns from general physicians to medical specialists for Upravi and Opsumit prescriptions which generate more than \$2.5 billion in annual revenue
- Utilize ML techniques to identify influential health care providers that help treat Pulmonary Arterial Hypertension patients for more effective sales targeting
- Develop data pipeline using thousands of medical insurance claims to conduct network analytics and health care provider classification using Dataiku and PySpark

Data Science Intern, Peraton Labs

Basking Ridge, NJ

Jun 2021 — Aug 2021

- Built virtual dashboard for over 700 U.S. military bases using Plotly and Dash Python packages to visualize cybersecurity anomalies in military internet and communications
- Created developer-facing dashboard to provide real-time health metrics and performance of machine learning model's course-of-action determination
- Directly collaborated with the project director and lead developer on user interface design
- Implemented dashboards in Docker containers for use in remote machines
- Developed methodology to efficiently query more than 100,000 records of Prefect data from Elastic to use in dashboards

Research and Software Engineer Intern, Dataminr

New York, NY

Jun 2020 — Aug 2020

- Designed approach to identify supply chain disruptions in real-time from over 5,000 daily Dataminr alerts using Looker
- Extracted 200 alert captions and more than 1,000 news headlines describing supply chain disruptions to use in predictive modeling and text similarity analysis
- Created machine learning model to predict abnormal spikes in Twitter activity following supply chain disruptions using Scikit-learn, TF-IDF and Word2vec
- Developed methodology to match past Dataminr alert captions with corporate news headlines using NLTK
- Investigated ways to detect early warning signs of future corporate action resulting from previous supply chain disruptions using NLP techniques
- Presented findings and models to six company executives to explore viability of a new supply chain corporate risk product