

SUMMARY

Stanford-trained data scientist, skilled at tackling challenging problems with data-driven solutions. Built cyber risk analytics pipeline, from statistical models to predictive algorithms to efficient code. Developed queries and calculations that remained robust and efficient as database scaled from 50GB to 500GB. Detail oriented, determined, and always eager to learn new tools or perfect old ones.

SKILLS

Proficient:

- Python – numpy, pandas, scikit-learn, matplotlib, keras, hypothesis
- SQL
- Version Control (git), Jupyter Notebooks
- Machine Learning, Probability and Statistics

Familiar:

- Java, C, R, Bash, MATLAB, Django
- Deep Learning, Natural Language Processing, Computer Vision

Languages:

- Proficient in Hebrew

EXPERIENCE

Data Scientist, *Corax Cyber*

May 2017 – Present

- Wrote Python backend of web app for cyber risk analysis and portfolio management, generating rapidly updating metrics on millions of organizations
- Trained highly accurate machine learning models for estimating missing data and predicting likelihood of cyber events, such as a random forest for estimating revenue
- Spearheaded shift from slow API calls to lightweight, dynamic SQL queries, leading to significant performance gains
- Managed junior data scientists, including mentoring a project on anomaly detection in time-series data
- Co-authored joint report on claims data with major cyber insurance companies
- Introduced hypothesis style unit tests, resulting in more robust production code

Big Data Engineering Intern, *Cablevision*

Summer 2016

- Designed pipeline for streaming, cable-usage data using Apache Storm, Trident, HBase

Science/Math Faculty, *Ma'ayanot Yeshiva HS for Girls*

2012 – 2015

- Prepared and taught grades 9-12 classes in physics, engineering, pre-calculus
- Coached team to first place in international engineering competition

EDUCATION

Master of Science, Electrical Engineering – April 2017

Stanford University, School of Engineering

Example coursework:

Mining Massive Datasets, Machine Learning, Artificial Intelligence, Digital Image Processing, Computer Vision, Deep Learning in Natural Language Processing

Bachelor of Arts, Physics, Magna Cum Laude – May 2013

Yeshiva University, Yeshiva College

Major: Physics

Minors: Math, Architecture

INTERESTS

Web Development, *noamweinberger.com*
Trail Maintenance Volunteer, *US Forest Service*
Runner, *New York City Marathon*