Nathan Cohen | Data Scientist

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Education

Massachusetts Institute of Technology — MIT xPRO
Professional certification in Data Science and Big Data Analytics,, — -March 2018

EPFL — Lausanne, Switzerland
Bsc. in Microengineering, left to draft in the IDF, — 2010–2013

Janson de Sailly — Paris, France
BA. in Mathematics and Physics, minor in Engineering Sciences and Chemistry, — 2008–2010
Passed with honours.

Army Service

Combat Soldier — Infantry
Haruv Regiment, Kfir Unit — 2013–2015
Courses and Specialties: Rifleman 07, Radio 06, Mortar 06, Camouflage, Link Commander.

Job Experience

Mathematics Teacher and Boarding School Supervisor — Lausanne, Switzerland
International Boarding School Lemania, Sofia School — 2011–2013
I managed the schedule, the discipline, and the education of the forty boys in the boarding school and gave lessons in Mathematics.

Student Representative — Lausanne, Paris
EPFL — 2010–2011
I representend the EPFL in France and in Switzerland by giving speeches in higher educational institutions.

Data Science skills

Databases and Big Data: MySQL, PostgreSQL, MongoDB, familiar with the Hadoop ecosystem and Spark.
Data Mining and Analysis: BeautifulSoup, Selenium, Pandas, Dask, NumPy.
Data Visualization: Python : Plotly, Dash, Matplotlib, Seaborn. Excel, also learning Tableau and PowerBI.
Machine learning and Deep learning: Sklearn, XGboost, LightGBM, Tensorflow, and Keras. Learning MXnet.
Cloud Computing: Familiar with training my models on FloydHub, Google Cloud, and Google Colab.

Personal Projects

2018: Developing a software to parse through one's own Facebook data and give statistical insights.
2018: Developing a GUI based on sklearn to simplify and teach the use of machine learning algorithms.
2018: Created a movie recommendation system (based on Netflix's) as a final project.
2018: Published writer for "Becoming Human" on my article "Detecting Breast Cancer in 20 Lines of Code".
2018: Published a study on lower back pain physiological indicators, creating new indexes to detect it for practitioners.
2018: Developed a website that gives real time correlations on cryptocurrencies : www.kryptonic-online.com
2017: Published a study on fetal heart diseases and how to detect and classify them using machine learning : "Cardiotocography under a microscope".
2017: Scraped the transcripts of a famous podcast website for Topic Modelling.
2017: Data analysis and market study for an Israeli NGO, Ani Shlishi.

Languages

- French, mothertongue
- Hebrew, fluent
- English, fluent
- Spanish, conversational