

Nathan Cohen | Data Scientist

Hertzel 77A, Apartment 1 – Ramat Gan, Israel

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Education

Massachusetts Institute of Technology

Professional certification in Data Science and Big Data,

MIT xPRO

Graduated March 2018

EPFL

Bsc. in Microengineering, left to draft in the IDF,

Lausanne, Switzerland

2010–2013

Janson de Sailly / Jussieu University

PCSI/PC in Mathematics and Physics, minor in Engineering Sciences and Chemistry,*

Paris, France

2008–2010

Passed with honours.

Army Service

Combat Soldier

Sayeret Haruv, Kfir Unit

Infantry

2013–2015

Courses and Specialties: Rifleman 07, Radio 06, Mortar 06, Camouflage, Link Commander.

Job Experience

Mathematics Teacher and Boarding School Supervisor

International Boarding School Lemanian, Sofia School

Lausanne, Switzerland

2011–2013

Organized the schedule, the discipline, and the education of the forty boys in the boarding school and gave lessons in Mathematics.

Student Representative

EPFL

Lausanne, Paris

2010–2011

Represented 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

See some of the following projects at <https://nathancohenil.github.io/>

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.kryptononline.com

2017: Published a study on fetal heart diseases and how to detect and classify them using machine learning.

2017: Scraped the transcripts of the Freakonomics website for Topic Modelling.

2017: Data analysis and market study for an Israeli NGO, Ani Shlishi.

Languages

○ French, mother tongue

○ Hebrew, fluent

○ English, fluent

○ Spanish, conversational