

Liam Hazan

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Education

2018-present: Data science and Engineering Student, Technion Israel Institute of Technology (1.5 years until graduation).

- Current **GPA 87.5**.
- **Dean's list:** semester C, D, E.
- Relevant courses:
Data structures and algorithms (**95**).
Natural language processing (**90**).
Machine learning 2 (**90**).
- Psychometry grade **718**.

Military Service and Yeshiva

2012-2018: Studied in Yeshivat Kerem B'yavneh and served at the Givati brigade as a fighter.

Projects and Experience

- As a research assistant I webscraped data to create an experiment website using django web-framework, javascript and PostgreSQL.
- 2 mini projects with **NLP** tasks: POS tagging and Dependency Parsing using DL.
- Research about the generalization of high capacity models (like DNNs) and experiment to show how convolutional networks utilize prior knowledge.
- Implemented **Decision tree** using CART, **PCA** for dimension reduction (then use it for KNN).
- Developed an auto-scrolling game using computer vision and Deep Learning. →
The game let the player control the height of the character (the plane) with his body through the webcam.
- I took part in the creation and implementation of an academic paper Trying to solve problem in differential geometry with deep learning.

Highly motivated, self and quick learner. Beyond the academic studies I look into web courses like CS 231n (CV and DL, stanford) and tutorials in the field of ML.

Programming Languages and technologies

- High proficiency with **Python** and data science related packages like Pandas, numpy, sklearn, scipy, etc.
- Knowledge in the languages **C, C++, R, Bash** (linux environment), and **javascript**.
- Experinced with **SQL, Hadoop, Spark** (PySpark) and **Django** framework.
- Data visualizations with matplotlib and **Tableau**.
- Experienced with **PyTorch** framework for Deep Learning and **OpenCV** for computer vision.

