

AVIV GELFAND

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SUMMARY

- 3rd year BSc (GPA 89) / 1st year MSc in Statistics and Data Science with thesis in HUJI.
- Looking for a [80%-100%]-time role as a Data Scientist / ML/AI Engineer / Researcher / SW Dev.
- Solid experience in SW / AI student positions and projects, with independent learning and team work.

EXPERIENCE

SEP22 – MAI24 | **NLP DATA SCIENTIST** / RESEARCH ASISTANT | HUJI DEPARTMENT OF DATA SCIENCE

- Supervised-Fine-Tuned Large Language models for a legal decision-making research team, classified arguments in trial records. Applied PEFT (LoRa), text cleaning and dimensionality reduction.
- Dealt with significant imbalance using embedded cluster stratified sampling methods. Corrected errors in the labeled data. Reached over .90 accuracy and over .80 F1 scores in most of the target labels.
- Acquired all of the relevant knowledge in PyTorch, LLMs with nothing but a laptop and the Internet.
- Presented my work in the annual Israel Statistics and Data Science Association conference on may 2024.

JAN 22 – OCT 23 | **DATA SCIENTIST TA AND INSTRUCTOR** | UPSCALE ANALYTICS

- Built dozens of machine-learning projects for a Machine Learning and Statistical Inference course, with *constant feedback from a Senior Data Scientist* (and head lecturer), Michael Winer.
- Instructed data analysts through their first steps in statistical inference and classic machine learning: linear and logistic regressions, ensemble learners such as random forests & XGBoost, clustering methods. *Promoted a few times* : from DA TA to ML TA, to ML Instructor, to partner.

APR 22 – MAR 23 | **SW DEVELOPER** / RESEARCH ASSISTANT | THE HEBREW UNIVERSITY OF JERUSALEM

- Self-taught and programmed Smart Contracts with a C++-based programming language. developed simulations interface using react.js. Designed and analyzed online surveys. Handled literature reviews and academic p2p reviews. Web-scraped data monthly.

March 15 - DEC 20 | **DATA ANALYST & RESEARCH TEAM LEAD** (Volunteered, Lieutenant)| I.D.F

- Conducted research, assessments, and analytics for high-ranked decision-makers. Created, updated, and maintained strategic databases while collaborating with programmers and economists.
- Lead cross organizational projects resulting with several two in depth research papers, unprecedented scale of collaboration between to research branches.

EDUCATION

OCT 23 – JUL 25 | **MSc Data Science + Thesis** | THE HEBREW UNIVERSITY OF JERUSALEM

Thesis focusing on feature learning in deep learning using graph theory, guided by [Prof. Ariel Jaffe](#).

OCT 21 - JUL 24 | **BSc Statistics & Data Science** | THE HEBREW UNIVERSITY OF JERUSALEM | *GPA 89*

TECHNICAL SKILLS

- Python: [Pandas, PyTorch, TensorFlow, SKlearn, API Requests, OpenAI GPTS, Scraping]
- EDA: [Visualizations, Statistical Inference]
- ETL: [Cleaning, Encoding / Embedding, Imputing]
- ML: [Feature Engineering, HP-Tuning, Metrics]
- Other: [GIT, Linux, Cluster, R, SQL, Apps Script, Java]
- Big Data Mining: [BigQuery, Data-Bricks, Spark].

SOFT SKILLS

- Independent Learning and Pro-activity
- Early Adopter (first in AI asistants)
- Accountability
- Explain-ability ;)
- Teamwork and Communication
- Fluent In: [English, Hebrew, Russian]
- Intermediate in: [Arabic]