

Tal Boazy – CV

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Employment History:

- **2022-Current: Prof. Roded Sharan's Lab, Tel Aviv University**

Thesis project hosted by Prof. Roded Sharan. Research subject: Mutational Signatures analysis. Work fields: Implementation and application of advanced probabilistic models for mutational signatures analysis, pattern recognition techniques, statistical analysis, optimization method improvement and development, optimization problems definition and modelling.

- **2020-2021: Computational Biology Lab, The Hebrew University**

Research project under the guidance of Prof. Michal Linial. Various Machine Learning algorithms usage such as Logistic Regression, K-Nearest Neighbors, and Bootstrapping to assess different risk factors for Post-Menopausal Osteoporosis. Different evaluation tools such as AUC score and statistical testing were used.

- **2019: Research Assistant, the Hebrew University**

Research assistant for Dr. Dina Schneidman. Understanding the 3d structure of given proteins to understand the nature of complex diseases. Different structure prediction tools were used such as BLAST, RaptorX, Roberta, swiss model.

Military Service:

- **2015-2017: Communications Technician, Israel Air Force, IDF**

Configuration of Cisco and Jupiter communication devices, such as routers, switches, and phones. Help-desk support for communication trouble-shooting.

Education:

- **2022-Current: Tel Aviv University**

M.Sc., Computer Science with a specialization in Bioinformatics.

Elective courses:

- Foundations of Deep Learning
- Game Theory
- Biological Network Analysis

- **2018 – 2021: Hebrew University of Jerusalem**

B.Sc., Computer Science and Bioinformatics. GPA: 86

Basic computer science courses: OOP, Data Structures, Algorithms, Operating System.

Elective courses:

- Introduction to Machine Learning
- Image Processing
- Probabilistic Methods in Artificial Intelligence

- **2013 – 2015: CTS (Handesaim TLV), Tel Aviv**

Electronic Engineering diploma. Graduated with distinction.

Skills:

Python, Java, C, C++, R, Bash, Git, Numpy, Pytorch, Pandas, Matplotlib, Machine Learning, Algorithm Development

Languages:

Hebrew: native tongue, English: fluent

Recommendations to be provided upon request.