


Bar Cavia

M.Sc Computer Science Student
Hebrew University of Jerusalem

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 050-4643322

 Tevet 13, Modi'in

 October 1996

 Hebrew – Native

 English - Fluent

 [LinkedIn Profile](#)

 [GitHub Profile](#)

Technical skills

- **Programming Languages:** Python, Java, C, C++, C#, SQL.
- **Software & Tools:** PyTorch, NumPy, OpenCV, faiss, Pandas, scikit, Git, Linux.

Personal skills

- Highly motivated, teamwork - oriented and responsible.
- High work ethic and self-learning ability.
- Show initiative and creativity.

Awards

- Selected as a recipient of the "KLA Scholarship for Outstanding Graduate Students."
- Modi'in City Mayor's Excellence Certification for Outstanding Grades (GPA: 119)
- Certificate of Excellence from 9900 Organization



Summary

A highly driven MSc Computer Science student with comprehensive expertise in computer vision research, and core computer science disciplines, including deep learning, anomaly detection, algorithm design, object-oriented programming, data structures, problem solving and complexity analysis.

Fueled by a profound passion for research, I bring a wealth of experience in deep learning projects, showcasing a robust and adaptable skill set in model development, advanced methodologies, and practical applications. Known for exceptional self-reliance and superb organizational abilities, I excel in managing tasks efficiently and achieving optimal outcomes.



Publications

- [Real-Time Deepfake Detection in the Real-World](#) (2024)
Bar Cavia, Eliahu Horwitz, Tal Reiss, Yedid Hoshen
- [Detecting Deepfakes Without Seeing Any](#) (2023)
Tal Reiss, **Bar Cavia**, Yedid Hoshen

Education

- **M.Sc. in Computer Science**
The Hebrew University of Jerusalem, 2023 - Present
 - **Advisor:** Prof. Yedid Hoshen (Field: Computer Vision, Anomaly Detection)
 - **Expected Graduation:** 2025
- **B.Sc. in Computer Science**
The Hebrew University of Jerusalem, 2020 – 2023
 - **GPA:** 90
 - **Core Modules:** Deep learning, Machine Learning, Computer Vision, Natural Language Processing, Algorithms Development, Data Structures, Object Oriented Programming, Operating Systems, Databases and Computer Graphics
- **Intelligence Corps (Unit 9900, 8200), IDF**
2015 – 2018
Advanced deciphering visual & geographical data
Data Mining and Webint course.
- **Full Matriculation**
"Ironi A" - High School For Science & Art, 2012 – 2015
GPA: 119
Majors: Computer Science, Management & Economics.

Work Experience

Visual and Geographic Intelligence Data Analyst:: Unit 9900, IDF (2015 – 2018)

- Participation in a multidisciplinary intelligence team in a tense and dynamical working environment, while managing many parallel projects.
- Extensive work and project management in geographic information systems, with emphasis on ESRI's ArcGIS software.
- Led complex geospatial analytical project.
- Initiate and implement data analysis tools and methodologies.
- In charge of managing and training new arrivals to the sector.