Yoav Damari

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WORK EXPERIENCE

Meta   **June. 2025 – Sep.2025**

Software Engineering Intern, Machine Learning   *London, United Kingdom*

- Built a WhatsApp Channel Quality Classifier that achieved a **92%** agreement rate with human labellers, owning the full ML lifecycle: data collection, feature engineering, training and evaluation.
- Trained a WhatsApp channel category classifier, improving accuracy by **2%** over the current production model.
- Enhanced Meta's internal tool for Channel ranking (Hack, GraphQL, React, JS) by automating config fetching, enabling Hive data retrieval, and overriding ranking parameters - saving engineers hours of debugging.

Weizmann Institute of Science, SAMPL Lab   **July. 2024 – June. 2025**

Deep Learning Algorithm Developer   *Israel*

- Led development of a real-time AI system (collaborating with Schneider Hospital) guiding ultrasound technicians.
  - Designed a multimodal Transformer in PyTorch combining ultrasound video + IMU data for real-time movement prediction.
  - Owned the full ML pipeline: problem formulation, data preprocessing, training, and prototype deployment.
  - Built signal processing tools to track 3D probe movement and align with video for accurate AI predictions.
  - Worked under Prof. [Yonina Eldar](#), recipient of the Israel prize in engineering.

Novacy (Startup)   **Jan. 2024 – April. 2024**

Data Science Intern   *Tel Aviv, Israel*

- Deployed an open-source LLM on cloud infrastructure with Docker, and optimized a "Next Steps" feature extracting actionable items from meetings.

NASA Unit, IDF   **2020 – 2022**

Simulation Engineer, ML   *Israel*

- Built a ML system for video event classification (90% accuracy) using Pytorch, used in experiment evaluations.
- Developed a simulation generator (Pandas, Numpy) for missile trajectories to support experiment prep.
- Applied video processing techniques using OpenCV for data augmentation and video stabilization.

EDUCATION

Reichman University   **2023 - 2026**

Bachelor of Science, Major in Computer Science

Milab - HCI Lab, Reichman University   **Dec. 2024 – Present**

Research Assistant and developer (Human-Computer Interaction)