Itay Nakash

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Education:

- **2023 – February 2025: Technion, Candidate for MSc in Data Science:**
  - Exploring methods for **vocabulary adaptation** to enhance domain-specific efficiency and performance in **LLMs**. Gained proficiency in NLP, LLMs, **transformers** and deep learning through research experience.
  - Advisor: Prof. **Roi Reichart**, *GPA: 95.9*
- **2019 – 2023: Technion, BSc in Computer Science**

Experience:

- **2024: IBM NLP Research Intern**
  - Research **red-teaming** LLM-based **AI agents**, focusing on **identifying vulnerabilities** and **developing defense mechanisms** and strategies
- **2024: Teaching Assistant, Technion - Methods in NLP**
  - Teaching Assistant for Methods in NLP, Undergraduate & Graduate students – Winter 2023/24
  - Awarded the "**Outstanding Teaching Assistant Award**"
- **2021 - 2022: Cloud Research student, IBM Research**
  - Engaged in the development of Kubernetes plugins for multi-cluster networking
  - Acquired solid **Git** skills and deepened programming expertise through **open-source** contributions.
- **2018: Freelance Android developer**
  - Developed Java Android applications, showing commitment to self-learning and technology exploration.

Leadership:

- **2023:** Salary survey Conceptualized and conducted a detailed CS salary survey, collecting over 400 responses, and analyzed the data. Presented insightful conclusions at faculty events, highlighting key trends and information.
- **2020 - 2023:** Schulich Leaders Scholarship
  Awarded for academic excellence and leadership in Engineering at the Technion.
- **2020 – 2021: Head of the media and advertising team** of the Computer Science students committee.
- **2013 – 2014: Head of Rehovot city student council**
- **2012 – 2014: Youth guide** at the "Mashatsim" and "Working And Studying Youth" organizations.

Military Service:

- **2016 - 2018: Control Officer**
  - Operational role. **Developed and led** the unit's advanced **training course.**
  - Received **Brigadier General's commendation** for **excellence in service** and the **course excellence** award.
- **2015 - 2016: Pilot Training Course**

Skills:

- **Programming Languages:** Python (PyTorch, Transformers, Pandas, Numpy, Scikit-learn), Golang, C++, C, Java.
- **Frameworks:** Git, Wandb, LangGraph, LangChain, Kubernetes, Docker.