

Ori Fogler *Algorithms and AI Researcher with 4 years' experience in R&D*

EXPERIENCE

Ofek 324 Unit AI Sector (2020 - 2023) - *Algorithms Researcher*

Formulating and developing solutions for real-world problems of the IAF by algorithmic tools as graph theory, optimization techniques and machine learning models.

- Aerial navigation systems ("Waze") - multi objective path finding/TSP on random graphs.

Responsible for tutoring new team-members, leading projects and managing relations with users. Collaborated effectively with cross-functional teams to deliver high-quality software solutions.

Bar-Ilan University (2022 - 2023) - *Researcher in the [SMART Robotics lab](#)*

Academic algorithmic research for planning problems of robots in challenging environments.

Bar-Ilan University (2019) - *Research Assistant in the [BIU Cyber Center](#)*

EDUCATION

Bar-Ilan University (2023) - *Ph.D. Candidate Computer Science*

- Weight Constrained Shortest Path with k-Circular Budget-zones.

Bar-Ilan University (2021 - 2022) - *M.Sc. Computer Science in spec. of AI (grade: 97)*

- Thesis: [Multi-Robot Dynamic Swarm Disablement](#), published in The 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2022).
- Presenting in [Autonomous Robot and Multi-Robots Systems Workshop](#) (ARMS 2022).

Courses: Deep Learning, Robotics, NLP, Reinforcement Learning, Networks Security and Privacy.

Bar-Ilan University (2017 - 2020) - *B.Sc. Computer Science (grade: 96.5, ranked 1#)*

- Project: [HumanizingZeroHex](#) - Retraining a well-trained Deep RL model ("AlphaZero") that plays Hex, to lower its performance to the level of human players ("The Imitation Game").

SKILLS

Programming Languages and Technologies

Experienced Python Developer. Familiar also with JS, Java, C{#,++}, Asm, SQL and Go.

Familiar with tools of code management and CI/CD (Git, Bitbucket, Jira, OpenShift, Splunk).

Languages: Hebrew (native) and English (fluent).

AWARDS

- Finished B.Sc. and M.Sc. in Summa Cum laude, ranked first among B.Sc. graduates.
- Special certificates for a unique contribution to smart systems in the Air Force.
- Partnership in an IAF and IDF awards-winning project of route multi-objective planning.
- Winning IBM-Hackathon with the app "[I'm Fine](#)".
- BIU - [Ilanot scholarship](#) for 110+ Bagrut and 740+ PET candidates.
- Dean's list - top faculty students. CS Department scholarship for top 10 students.