

Contact

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(LinkedIn)

Top Skills

Heat Transfer
Statistical Analysis
Numerical Analysis

Languages

English
Hebrew

Certifications

Introduction to Self-Driving Cars
Motion Planning for Self-Driving Cars

Publications

Comparative study on modeling approaches of V-shaped MEMS temperature sensors
The influence of thermal loads on the physical properties of carbon nanotubes forests
Height and morphology dependent heat dissipation of vertically aligned carbon nanotubes
SINR-Aware Deep Reinforcement Learning for Distributed Dynamic Channel Allocation in Cognitive Interference Networks
Mechanical behavior of vertically aligned carbon nanotubes under electrostatic tension

Yaniv Cohen

AI Researcher (DL/ML) | Deep Reinforcement Learning | Algorithm Developer | PhD
Center District, Israel

Summary

AI Researcher specializing in deep learning architectures, turning cutting-edge research into real-world AI systems. Strong background in statistical inference, deep reinforcement learning, computer vision, and multi-agent systems. Experienced in leading interdisciplinary projects that solve complex challenges. Ph.D. from Ben-Gurion University with a passion for driving AI innovation.

Experience

Imagry | Autonomous Driving
Machine Learning Tech Lead
April 2024 - Present (1 year 6 months)
Israel

Elbit Systems Ltd
AI Researcher
October 2021 - March 2024 (2 years 6 months)
Leading research in deep reinforcement learning for tactical communication systems, with a focus on multi-agent systems.

Publication:
Y. Cohen, T. Gafni, R. Greenberg and K. Cohen, "SINR-Aware Deep Reinforcement Learning for Distributed Dynamic Channel Allocation in Cognitive Interference Networks," in IEEE Transactions on Wireless Communications, vol. 24, no. 1, pp. 228-243, Jan. 2025, doi: 10.1109/TWC.2024.3491035.

Ben-Gurion University of the Negev
5 years
Researcher (PhD)
October 2017 - September 2021 (4 years)
Israel

Teaching assistant, laboratory instructor and Supervisor of B.sc final project
2016 - September 2021 (5 years)
Be'er Sheva Area, Israel

Ben-Gurion University of the Negev
Research Assistant
2013 - October 2015 (2 years)

Research assistant at the department of chemical engineering at Ben-Gurion University.

Education

Ben-Gurion University of the Negev
Doctor of Philosophy - PhD · (2017 - 2021)

Ben-Gurion University of the Negev
Master of Science (M.Sc.) Mechanical Engineering, Thermal
MEMS · (2016 - 2017)

Ben-Gurion University of the Negev
B.Sc Chemical Engineering · (2012 - 2016)