

YARDEN AS

Zurich, Switzerland

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EDUCATION

Learning & Adaptive Systems, ETH Zurich

Ph.D. in Computer Science

- **Advisor:** Prof. Andreas Krause
- **Topic:** “Safe Adaptation via Constrained Reinforcement Learning”

Zurich, Switzerland

Apr 2022 – Present

ETH Zurich

M.Sc. in Robotics, Systems & Control

- **Thesis:** “Constrained Policy Optimization via Bayesian World Models”, advised by Prof. Andreas Krause

Zurich, Switzerland

Sep 2019 – Aug 2021

Technion

B.Sc. in Mechanical Engineering

- **Honors:** summa cum laude, president honors list every semester, “Re’amim” honors program fellow
- **Thesis:** “Biologically-inspired Controllers for Humanoid Robot Locomotion”

Haifa, Israel

Oct 2014 – Feb 2018

WORK EXPERIENCE

Obol App

Co-Founder, Chief Technology Officer

- Co-led the company from pen-and-paper to a team with 20+ employees
- \$1M ARR post-launch
- Grew a team from 0 to 7 engineers. Owned the pipeline for potential talent
- Overseeing every aspect of product development, shipping new features in a remarkable velocity
- Spanning all technological activities. Owning external relationships with service providers

Remote / Tel-Aviv, Israel

Mar 2021 – Mar 2024

Temi

Principal Algorithms Engineer

- Led a team of two engineers
- Initiated a complete overhaul for the localization algorithm, contributing to key deals and a subsequent investment round

Remote / Tel-Aviv, Israel

Sep 2019 – Jul 2021

Algorithms Engineer

- Owning several key components, including the mapping, localization and path planning algorithms, now running on ~50,000 units worldwide.

Feb 2018 – Sep 2019

PUBLICATIONS & PREPRINTS

ActSafe: Active Exploration with Safety Constraints for Reinforcement Learning

Yarden As*, Bhavya Sukhija*, Lenart Treven, Carmelo Sferrazza, Stelian Coros, Andreas Krause [\[ICLR 2025\]](#)

Jan 2025

Transductive Active Learning: Theory and Applications

Jonas Hübotter, Bhavya Sukhija, Lenart Treven, Yarden As, Andreas Krause [\[NeurIPS 2024\]](#)

Oct 2024

When to Sense and Control? A Time-adaptive approach for Continuous-Time Reinforcement Learning

Lenart Treven, Bhavya Sukhija, Yarden As, Andreas Krause [\[NeurIPS 2024\]](#)

Oct 2024

Log Barriers for Safe Black-box Optimization with Application to Safe Reinforcement Learning

Ilnura Usmanova, Yarden As, Maryam Kamgarpour*, Andreas Krause* [\[JMLR\]](#)

Jul 2024

Data-Efficient Task Generalization via Probabilistic Model-based Meta Reinforcement Learning

Arjun Bharadwaj, Jonas Rothfuss, Bhavya Sukhija, Yarden As, Marco Hutter, Stelian Coros, Andreas Krause [\[RA-L\]](#)

Nov 2024

Constrained Policy Optimization via Bayesian World Models

Yarden As, Ilnura Usmanova, Sebastian Curi, Andreas Krause [\[ICLR 2022 \(spotlight\)\]](#)

Nov 2022

OPEN-SOURCE CONTRIBUTIONS

Huggingface Nanotron, *Porting Huggingface 🤗 standard Llama3 to Nanotron* [\[Link\]](#)

Jul 2024

INVITED TALKS

Towards Safe Sim-to-Real that Works

New York University, Emerge Lab

Sep 2024

HONORS AND AWARDS

KLA Corporation Excellent Student Project Award

Issued by *KLA Corporation*

Haifa, Israel

Jun 2018

Mark Darlo Award for Best Mechatronics Student Project

Issued by *the Department of Mechanical Engineering, Technion*

Haifa, Israel

Jun 2018

SKILLS, LANGUAGES, INTERESTS

- **Languages:** Hebrew (Native speaker), English (Highly proficient), German (Basic proficiency)
- **Residency:** Israel, Portugal, Switzerland Visa B Resident Permit
- **Technologies (selected):** Python, C++, JAX, PyTorch, TensorFlow, Google Cloud Platform, Airflow (large-scale data pipelines)
- **Tech Leadership:** strategy and roadmap planning, stakeholder communication and cross-functional collaboration
- **Product:** roadmap prioritization, lifecycle management
- **Interests:** long distance running, wine tasting, philosophy, history, food