

# YARDEN AS

Engineer / Trying to build a better future with technology

Zurich, Switzerland

yarden.a.a@gmail.com ♦ yas.pub ♦ linkedin.com/in/yardenas ♦ github.com/yardenas



## PROFILE

---

Multi-disciplinary problem solver who thrives at the intersection of technical, product and business challenges. I facilitate effective collaboration between individuals of diverse backgrounds and expertise, being a technical driving force behind key decision points in multiple projects. I have over five years of experience leading technology innovation efforts under different hats, including team management, academic research as well as hands-on engineering. I enjoy working with thought-provoking colleagues, guiding team members to help achieve their goals and solving tough problems together.

## WORK EXPERIENCE

---

### Learning & Adaptive Systems, ETH Zurich

Zurich, Switzerland

Doctoral Researcher

Apr 2022 – Present

- Pursued my long-time passion for reinforcement learning and became an expert in safe reinforcement learning.
- Developed novel algorithms and methodologies that significantly advanced the field of safe reinforcement learning. One such contribution resulted in a spotlight presentation (15% acceptance rate) at a leading AI conference (ICLR).
- Mentored and collaborated in projects that led to several peer-reviewed publications in top-tier conferences.

### Obol App

Remote / Tel-Aviv, Israel

Co-Founder, Chief Technology Officer

Mar 2021 – Mar 2024

- Co-led the company from a pen-and-paper to a team with 15+ employees, building an enterprise-grade product with dozens of global customers and more than \$500K ARR post-launch.
- Recruited and grew a team from 0 to 7 engineers.
- Overseeing every aspect of product development life-cycle, including designing, building and shipping new features in an absurd velocity, under remarkably low budget.
- Nurtured a healthy engineering culture and mentored the engineers to achieve personal goals.
- Drove the product roadmap and aligned it with business goals, constraints and GTM strategy.
- Spanning all technological activities, such as leading the company security efforts (SOC2 certification), designing the product's cloud architecture, conducting technological research and owning key external relationships with service providers and potential talent.

### Temi

Remote / Tel-Aviv, Israel

Principal Algorithms Engineer

Sep 2019 – Jul 2021

- Led two engineers to improve the robot's navigation abilities by introducing a new and more accurate localization algorithm.
- Led a complete overhaul of the product's algorithmic stack, designing the new architecture from bare-bones while incorporating the "lessons learned" from the first generation. This helped unlocking new capabilities and accelerated development cycles.

Algorithms Engineer

Feb 2018 – Sep 2019

- Built several key components in a real robotic application, including the localization, mapping and path planning algorithms, now running safely on ~50,000 units worldwide.

## EDUCATION

---

### ETH Zurich

Zurich, Switzerland

Master of Science in Robotics, Systems & Control

Sep 2019 – Aug 2021

- **Thesis:** "Constrained Policy Optimization via Bayesian World Models"

### Technion

Haifa, Israel

Bachelor of Science in Mechanical Engineering

Oct 2014 – Feb 2018

- **Honors:** summa cum laude, President's List every semester, "Re'amim" honors program fellow.
- **Thesis:** "Biologically-inspired controllers for humanoid robot locomotion"

## HONORS AND AWARDS

---

### KLA Corporation Excellent Student Project Award

Haifa, Israel

Issued by KLA Corporation

Jun 2018

## Mark Darlo Award for Best Mechatronics Student Project

Issued by *the Department of Mechanical Engineering, Technion*

Haifa, Israel

Jun 2018

## RESEARCH & PUBLICATIONS (SELECTED)

---

### Constrained Policy Optimization via Bayesian World Models (spotlight presentation)

Published on *International Conference on Learning Representations*

Nov 2022

## SKILLS, LANGUAGES, INTERESTS

---

- **Languages:** Hebrew (Native speaker), English (Highly proficient), German (Basic proficiency)
- **Nationalities:** Israel, Portugal
- **Project Management:** manpower planning, writing (technical) specs., establishing and measuring team KPIs in accordance to business needs.
- **Product:** integrating user-feedback, sales and BD sales channels to maintain the short and long-term roadmap.
- **Technologies:** vast knowledge in multiple technologies, including Algorithms, Web Development, Cloud Infrastructure, Data Engineering and AI.
- **Interests:** Rock climbing, wine tasting, eastern philosophy, food.