

# Yarden As

## Scientist

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### Education

- Sep 2019 – Sep 2021 **MSc, Robotics, Systems and Control**, *ETH Zürich*, Zürich, Switzerland.
- Focusing on machine learning and algorithms for online decision making.
  - Scored a mark of **6.0/6.0** for my master's thesis and semester project with **Prof. Andreas Krause**.
- Oct 2014 – Feb 2018 **BSc, Mechanical Engineering**, *Technion*, Haifa, Israel.
- Formal class ranking: #3 out of 156 students; noted on the "President's list" (top 3%) 6 out of 7 consecutive semesters; **graduated summa cum laude**.
  - Awarded the **"KLA-Tencor" scholarship** and the **"Prof. M. Darlo" award**. These awards are given annually to a **single** student in class.

### Experience

- Aug 2021 – Present **Research Assistant**, *Learning & Adaptive Systems group*, Prof. Andreas Krause, Zürich.
- Conducted research on the intersection of safety and Bayesian model-based reinforcement learning. Currently working towards paper publication at **ICLR 2022** machine learning conference.
- Mar 2021– Present **Co-Founder**, *Obol*, Tel-Aviv.
- Obol is a SaaS solution that helps enterprises optimize their multi-currency cash-flow.
- **Secured \$750K** for our pre-seed fundraising.
  - Collaborated in forming Obol from its very early stages: i.e., characterizing the problem and its solution, identifying the product-market fit and compiling our vision into an actual idea for a product.
- Sep 2019 – Jul 2021 **Principal Software Engineer**, *Robotemi*, Zürich.
- Led the development of the product's new generation software stack, aiming for a more performant and scalable design and implementation.
- Designed the system's architecture from scratch.
  - Coordinated the project's development timeline and plan to produce the required deliverables efficiently.
- Feb 2018 – Sep 2019 **Software Engineer**, *Robotemi*, Tel-Aviv.
- Developed visual navigation algorithms for an indoor robotic application; mainly in the fields of **computer vision** and **machine learning**.
- Designed and implemented the visual human body identification and tracking module of the robot.

### Skills

- Software C++, Python, Linux, development and design of large scale software projects, TensorFlow and PyTorch, scikit-learn.
- Academic Machine learning, signal processing and control theory, optimization.
- Other Strong interpersonal relations that translate into fruitful collaborations with clients, employees, and colleagues. Presentation & public speaking.

### Other

- Citizenship Dual Portuguese and Israeli citizenship.
- Volunteering Participated in a team responsible for organizing the volunteering activities for a group of 45 volunteers assisting disadvantaged communities.
- Hobbies Recreational rock climber, climbed 200 meters high route in Wadi Rum, Jordan. Also, photographer and an avid book reader.