

Yotam Perlitz

Physicist and Researcher, with strong analytical Capabilities. Fast learner, curious, autodidact.

13 Wilson St. Tel-Aviv
+972-524201289
perlitz@gmail.com

- EDUCATION -



The Weizmann Institute - *M.Sc Theoretical Physics*

OCT 2015 - DEC 2017

- Conducted a combined **analytical** and **numerical research** project from inception to publication.
- Published: Helical liquid in Carbon-Nanotubes wrapped with DNA molecules Yotam Perlitz and Karen Michaeli, Phys. Rev. B 98, 195405 (2018)



Hebrew University - *B.Sc Physics and Cognitive science*

OCT 2012 - JUL 2015

- Carried out an undergrad project on short term memory investigation. This included **designing** and **implementing** an automated eye-tracking experiment, as well as real-time data acquisition and manipulation in MATLAB.
- Graduated from **advanced computer science courses** such as **Image processing** and **Computer Vision**.

- EXPERIENCE -

The Weizmann Institute - *Researcher*

NOV 2018 - PRESENT

- Developing algorithms for **Hamiltonian learning** numerical problems.

Rafael Advanced Systems - *operations*

JAN 2011 - OCT 2012

- Took part in a **large-scale technology and defense field project**.

Special Operations Engineering Unit - Commander, medic, navigation expert.

DEC 2007 - FEB 2011

- Planned and led an 8 month long **professional training** program for a combat EOD team.

- SKILLS -



MATLAB

Experience in implementation of **machine-learning** and **computer vision algorithms** as well as extensive experience in **acquisition, manipulation** and **presentation** of experimental **data**.



PYTHON

Experience in implementation of advanced physical **numerical methods** such as DMRG, proficiency in utilizing **numpy**, **scipy**, **pandas** and **scikit-learn**



Complex Mathematics

General experience in utilization and realisation of **complex mathematical concepts** as a theoretical physicist.



Machine learning

Graduate level course experience and understanding of the **implementation** and **utilization** of **machine learning algorithms**.



C, C++ & Mathematica

Proficient in **C** and **C++**. Highly experienced in **Wolfram Mathematica**.



Life skills

Photography, long distance running, hiking and mountaineering are my current passions.