

Education

2014: The Dr. Moses Strauss Department of Marin Geosciences, Leon H. Chamey School of marine sciences at the University of Haifa, started my PhD in geophysics and marine science.

2010: Technion, Israel Institute of Technology, finished my M.Sc. in particles and high energy physics (Experimental).

2006: Technion, Israel Institute of Technology, finished my B.Sc. in physics.

Courses

2020: Infinity labs R&D four months course: The open lab covers a full range of development tools, technologies and techniques. From embedded targets, Linux kernel & drive development, C system programming, participant used a wide range of development, integration and testing tools and techniques, and image processing.

2006-2010: in my B.Sc. : physical chemistry, biology, biophysics courses.

Programming Background

Programming languages: know C, basic knowledge in C++.
Familiar with Linux environment. MATLAB, COMSOL.

Projects:

- Methane gas bubble rise within fine-grained aquatic sediments, writing mathematical model sported with comsol simulations, during my PhD. **Fields of knowledge: biochemistry, gas dynamics, and fracture mechanics.**
- Validation and performance improvement of ATLAS muon chambers chips, during my M.S.c. **Fields of knowledge: particle physics - supersymmetry models, programming and experimental validation.**
- Working on ATLAS detector in CERN, during my M.S.c
- OS schaguler, in Infinity Labs course.

Work Experience

2010-2021 Research at The Technion and The Dr. Moses Strauss Department of Marin Geosciences, Leon H. Chamey School of marine sciences at the University of Haifa.

2018 -2020 Physics lecturer in Ort Braude Karmiel

2010 – 2018: Ministry of Education, IT-Works Association, AXIOMA: teaching and guiding high school students in physics and physics research.

Volunteering

2014 : initiating " Halom" teaching program in Druze schools.

2013 : Technion Department of Education - a member of a commission, that counsel and promote projects that can improve the education in Israel

2011 – 2013: partner in initiating the first space center in the Druze community.

2008 – 2011: Technion, Student Promotion Unit – assistance Druze girls to blind in academic life

2005 -2011: Maghar community center – taught flute, physics, chemistry and math.

Languages

Arabic: my first language, Hebrew : very good, English : very good

Published Articles

<http://www.springerlink.com/content/n68r779083645251/>

<http://arxiv.org/abs/1106.4495>

<https://doi.org/10.1021/acs.est.8b06848>