

Shimon Cohen

Marital status: Married
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Education

- 2021 - **Optical design studies at Optic Solution, Ramat Gan**
Knowledge in optical design by ZEMAX software
- 2014 – 2013 **Physics Teaching (M.A) Weizmann Institute of Science, Rehovot**
During my master's degree I acquired knowledge in :
- Statistical & Quantum mechanics
 - Modern optics.
- 2011-2012 **Mathematics teaching certificate (B.Ed) "Achva College", Beer Tuvia**
- 2004-2007 **Bio Medical Engineer (B.Sc) "Machon Lev Institute", Jerusalem**
During my undergraduate degree I acquired in-depth knowledge of the following topics:
- Geometric/physical optics.
 - Electro-optical systems & lasers
- 1994-1998 Bagrut certificate at "Or Etzion" Yeshiva, Mercaz Shapira.

Work Experience

- 2011 - Present **Physics & Math Teacher**
Physics & Math teaching in a number of schools
- 2018-2019 **Teaching development**
Development interactive teaching units at Davidson Institute, the educational arm of the Weizmann Institute.
- 2014 **Final project as part of the master's degree**
Work in the THGEM gas detector laboratory
- 2009 **Laser safety supervisor at "Dhagesh" company, Kfar Saba**
Extensive knowledge of lasers & international standards in laser safety field.
- 2007 **Final project as part of the first degree - "Smart Bed"**
Design & Construction an electro-optical control system model for measuring physical changes in the human body to prevent pressure sores.

Military Service

- 1998-2003 Intelligence officer in Southern Command, Beer Sheva
"Hesder Program" - combining military service & Torah studies

Computers

- Workspace : **Windows, UNIX, Office Suit**
Analog-digital development - **VHDL**
Experience in image processing software – **MatLab**
Programming (Self-learning by Udemy courses) - **Python**

Languages

- Hebrew (Reading / writing / speaking) - Native language
English (Reading / writing / speaking) - High level capabilities