

Guy Paiss

Physical Chemistry Graduate (MSc)

► 13.03.1993

Contact

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Skills

Software-Development
(Python/Matlab/C++)

Optoelectronics lab experience

Solid State science

Web-Developer
(HTML5/CSS3/React)

PC building and Hardware

Electronic operation **Microscopy**

Hebrew L1

English C1

Education

03/2018 - 06/2021

Physical Chemistry (M.Sc.)

Tel Aviv University

08/2011 - 08/2014

Computer Science + Chemistry
(B.Sc.)

Tel Aviv University

Objectives

Graduated from Tel Aviv University with a dual BSc degree in computer science and chemistry at part of the army "atuda". I served my mandatory military service and was discharged with excellence after three years. I am currently working on my master's research (last semester) in optoelectronics at Professor Ori Cheshnovski's research group in the Chemistry Department. My research involved semiconductors and their characterization by optical means (Super Continuum Lasers). I am looking for a full-time position that utilizes my skills.

Work experience

Research assistant | MSc student

03/2018 - 06/2021

Department of Chemistry (Ori Cheshnovski)
Tel-Aviv University

As part of my MSc degree, I researched single particle microscopy on semiconductor nanowires. I gained experience in a variety of optomechanical parts, and electronic instruments such as oscilloscope, spectograph and lock-in amplifier. I have also gained experience with camera and image processing programs such as Basler Pylon and Gatan and experienced with programming and modelling in CVI/LabWindows (C), Spider (Python), Solidworks, Matlab and Lumerical.

Optical Technician

03/2018 - 06/2021

Department of Chemistry (Ori Cheshnovski)
Tel-Aviv University

In our lab, experiments were conducted via self built reverse microscope (mostly from Thorlabs optomechanical parts), and I was the sole person responsible to build, maintained and work with the microscope. Extra responsibilities were to program all of the hardware needed (such as Micronix Piezo-Electric Motors. NI DAQ) to a self programmed API

Teaching Assistant in Python

10/2018 - 10/2020

Tel Aviv University

I was a teaching assistant in python programming, it included lecturing in front of first year BSc students in chemistry and Math

Publication

- Author, Uri Hananel, Gal Schwartz, Guy Paiss, Lorenzo Arrico, Francesco Zinna, Lorenzo Di Bari, Ori Cheshnovsky, Gil Markovich(2020). "Time-resolved circularly polarized luminescence of Eu^{3+} - based systems".
- Author, Gyanendra Singh, Yossi Mosbacher, Ranit Roy, Dror Hershkovitz, Guy Paiss, Ori Cheshnovsky. "STEND: Stimulated emission non-linear-depletion super-resolution microscopy".

31st July 2021

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