Guy Paiss

Physical Chemistry Graduate (MSc)

▸ 13.03.1993

Contact

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Skills

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

Optoelectronics and Solid State science

Frontend Development with React js)

Backend Development with Node.js)

Data analysis + Machine Learning - Matlab

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 have currently finished a master's research in optoelectronics at Professor Ori Cheshnovski's research group, the former head of Nano-Technology facility in Tel Aviv University. My research involved semiconductors research and their characterization by optical and computational means (Hardware integration using dlls via C programming). Now I'm currently looking for a full-time position to start gaining experience in the industry.

Work experience

Research assistant | MSc student   **03/2018 - today**

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 optomechanic 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.

Python teacher for first year students   **10/2018 - 10/2020**

Tel Aviv University

I was teaching a course in python programming for first year students in chemistry and math, it included lecturing, preparing notes and exercises in OOP, and delivering exams

Personal Note

As an MSc graduate I'm eager and excited to start my way in the industry field. While I lack in experience I make up for it with my fast learning and work dedicated habits which helped me passing every obstacle in my life with excellency. I'm looking for a full position in web developing, and I believe I'll contribute a lot to my working place, both professionally and socially.

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".

10th December 2021

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