

Elem Hurgin

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I was born in the USA in 1988; I moved to Israel in 1994 and lived here ever since, I currently live in Haifa, Israel.

Education

Bachelor's degree in physics and mathematics, with emphasis on physics Haifa University, 2020.

- Undergraduate project: Effects of a magnetic field on hot plasma- arc plasma (final grad 100); some of my experiments are in the attached link:

<https://www.youtube.com/playlist?list=PLVLIYMq21dgdheVUfGBya9ZLX9Qp17qCF>

- High-graded courses: Quantum mechanics 1&2, Special relativity, Calculus, Topology, Thermodynamics and Statistical mechanics, Electrodynamics and Magnetism.

Computer skills: office, multilab, java.

Military Service

Discharged honorably as an Officer at the rank of 1st lieutenant for the 276th Battalion of Combat Engineering (2011-2006). I served in the positions of a platoon commander and as the battalion's operations officer, and before I finished my service I served as an assistant for the battalion's Head of Combat Theory and Weaponry.

Currently in the reserves army I serve as an Operations Officer in a Combat Engineering battalion at the rank of Captain.

Work Experience

Physics lab assistant laboratory technician - Oranim College

- Responsible for the preparation of the experiments in the laboratory.
- Technical management of the equipment in the laboratory - preparation of the equipment in accordance with the needs of the experiment, preparing and performing tests that require accuracy.

After the army and during Undergraduate school:

Carpentry (2011-2012), bartender and bar manager (2012-2018), Welding and Carpentry 2020-2021.

Languages

English & Hebrew

Skills and Proficiencies

I consider myself as a dedicated physicist with great desire and genuine interest in renewable energies, fusion power, plasma and magnetism. I'm Very good at research analysis, networking, leadership as well as being a supportive teammate and creative worker. My proficiencies at self-learning and spatial perception are high.

Hobbies and Interests

As a former green horizons guide I enjoy spending time hiking, trekking in nature, surfing and scuba diving. As a teenager I used to be a professional swimmer and that is still my preferred sport activity, as well as training in Ninjutsu martial art.