

IDO SHENBACH

SOFTWARE DEVELOPER



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[LinkedIn](#)



[GitHub](#)

ABOUT ME

Passionate and skilled software developer with a B.Sc. in Computer Science with strong knowledge in algorithms, data structures, networking, and operating systems. Experienced in designing efficient software solutions and developing projects involving system programming, networking, and multi-threading.

SKILLS

- **Programming Languages:** Java, Python, C#, C.
 - **Platforms & Frameworks:** Linux, .NET, Git.
 - **Software Development:** Strong understanding of **object-oriented** programming, **functional** programming, and **system** programming.
 - **Operating Systems:** Knowledge of process management, concurrency, memory allocation.
 - **Networking & Servers:** Server development, socket programming, and multi-threaded request handling.
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EDUCATION

B.SC. COMPUTER SCIENCE International school at Reichman University **GPA – 87.41** **2021 - 2024**

PROJECTS

- **SynthesizerApp:** Built a live synthesizer application in Java, applying Digital Signal Processing techniques.
- **HTTP-Server:** Developed a lightweight HTTP server from scratch, showcasing strong networking and server-side development skills.
- **Wordle Solver:** Designed a Wordle game leveraging information theory to refine word filtering and optimize guessing strategies through entropy-based heuristics.
- **MazeGeneratorAndSolver:** Implemented a maze generation and solving system, utilizing algorithmic techniques for efficient 2D maze construction and pathfinding.

All and more can be found in my [GitHub](#).

WORK EXPERIENCE

WEAPONS DEVELOPER Air Force **2016 - 2019**

- **Designed, tested, and maintained** advanced military weapons systems as part of a collaborative team.
 - **Researched and developed** new weapons technologies while enhancing existing systems to support soldier effectiveness.
 - Oversaw purchases from understanding unit needs and securing **budgets** to production, handling **large financial investments**.
 - **Led the development** of a **drone defense system**, collaborating with Hikvision to create a "drone gun" that disrupts drone connections with operators.
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