




# IDOSHENBACH

## SOFTWARE DEVELOPER

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## 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.

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## 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**

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## 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](#).

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## 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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