

YARIN SOLOMON

Junior Software Developer

+972547218330 • yarinso39@gmail.com • [Portfolio](#) • [LinkedIn](#) • [GitHub](#)

SUMMARY

Computer Science graduate from **Ben-Gurion University** (GPA: 85) with experience in **backend development** and **AI**. Skilled in building **scalable systems** and **APIs**, with a strong foundation in **algorithms** and **system design**. Fast, self-driven learner who quickly adopts new technologies.

PROJECTS

Tunecraft — Multi-Platform Playlist Engineering App (2026) [GitHub](#) • [App](#)

- **Technologies:** React, TypeScript, Tailwind CSS, Node.js, Express, PostgreSQL, Prisma ORM, REST APIs
- Built a full-stack application integrating multiple music platforms (Spotify, SoundCloud, Tidal) to analyze and generate playlists using audio feature data.
- Designed a multi-source data enrichment pipeline with PostgreSQL caching to reduce redundant API calls and handle rate limits efficiently.
- Developed scalable backend services and REST APIs for aggregating and normalizing cross-platform data, including custom playlist generation algorithms.

AI-driven Backgammon Game (2025) [GitHub](#) • [Demo](#)

- **Technologies:** Python, PyTorch, NumPy, OOP, Machine Learning (Neural Networks, MCTS, Minimax)
- Developed a Backgammon game featuring Human vs. AI and AI vs. AI modes. Implemented machine learning by training a neural network on self-play data, integrating heuristic evaluation, MiniMax Decisions Tree, and Monte Carlo Tree Search for strategic decision-making.

Phishing Awareness Demo / Facebook Clone (2025) [GitHub](#) • [Demo](#)

- **Technologies:** HTML, CSS, JavaScript, Node.js, MySQL
- Built a full-stack phishing demo mimicking Facebook's auth flow with custom MySQL database, data validation, and secure server-side authentication.

SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, TypeScript, Assembly

Web / Full-Stack: React, Node.js, Express, HTML, CSS, Tailwind CSS, REST APIs

Databases: PostgreSQL, MySQL, Prisma ORM, SQL, DML

DevOps & Tools: Git, GitHub, Docker, Claude Code, Cursor

Machine Learning & AI: PyTorch

Operating Systems: Windows, UNIX, Linux

Soft Skills: Fast, self-driven learner with strong independent problem-solving skills; adapts quickly to new technologies, works well under pressure, and collaborates effectively in team environments.

EDUCATION

BSc Computer Science, Ben-Gurion University (2022–2025) • GPA: 85

Selected Courses: Data Structures, Algorithms, Operating Systems, Numerical Analysis, Principles of Computer Science, Database Systems

Itzhak Rager High School, Beer Sheva (2011–2017) • Honors Program in Computer Science and Physics

MILITARY SERVICE

Platoon Sergeant, IDF Combat Engineering Corps (2017–2020)

LANGUAGES

English (Fluent) • **Hebrew** (Native)