

ARIEL PERSTIN

SOFTWARE ENGINEER | BACKEND DEVELOPMENT

CONTACT

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- 🌐 [GitHub Profile](#)
- 🌐 [Linkedin Profile](#)

PROFILE

Software Engineering student with a strong interest in backend development and software engineering. Experienced in Java, Python, C++, with a solid understanding of data structures, algorithms, and databases. Looking to grow in a professional environment and contribute to backend systems and software projects. Seeking a junior role in software engineering or backend development.

EDUCATION

SAMI SHAMOON COLLAGE

- B.Sc. in Software Engineering, Data Science Specialization.
- Key Coursework: Principles of Programming Languages (99) | Data Structures (100) | Object-Oriented Programming (100) | Databases (100) | Introduction to Information Retrieval (98)
- GPA: 96

SKILLS

- Programming: C, C++, Python, Java, C#
- Web & Frameworks: FastAPI, Node.js, HTML/CSS, React, JS
- Databases: SQL, MongoDB
- Tools: GitHub, Jira, Azure, Cursor, JetBrains, Docker

LANGUAGES

- English: Fluent
- Hebrew: Fluent
- Russian: Basics

WORK EXPERIENCE

Programming Instructor - Magshimim Program

Teach an introductory C programming course to high school students as part of the Magshimim cyber education program — a national program that helps students get accepted to top IDF technology units and prepares them for future work in the tech industry.

- Deliver pre-prepared lessons focused on C programming fundamentals.
- Emphasized core programming concepts such as memory management, debugging techniques, and algorithmic thinking.
- Guided students through practical projects and weekly assessments to solidify understanding and build technical confidence.

Control Coordinator - Israel Defense Forces

- Operated across all IAF fighter jet platforms, including F-15, F-16, and F-35.
- Acted as a liaison between the operations unit and ground crews to ensure smooth execution of flight tests.
- Managed sensitive and high-pressure situations during military operations and routine flight evaluations.
- Gained valuable experience in communication, precision, and multitasking in a real-time operational environment.

PROJECTS

eBook Library platform web tool:

- Built a full-stack eBook web platform using **ASP.NET MVC** and **Oracle SQL**, supporting user accounts, book browsing, and borrowing.
- Integrated **PayPal's PIA APIs** for real payment processing with credit card support.
- Developed key features like wishlist, waiting lists, and borrowing queues with priority logic.
- Applied input validation using Regex and implemented protections against SQL injection for improved security → [\[Link Here\]](#)

Football Market Value Prediction:

- Developed a machine learning pipeline to predict and classify football players' market value and wages based on demographic and performance attributes.
- Implemented the model using **Python**, **pandas**, and data preprocessing techniques → [\[Link Here\]](#)