Shimon Ifrach

Contact

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Skills

Programming Languages: Python, Assembly ,C, C++, Java, C#, JavaScript.

Web Technologies: HTML, CSS, JS, ASP.NET.

CS Fundamentals: Algorithms, Data Structures, OOP,Databases, Computer Architecture.

Tools: Git, Visual Studio, VS Code.

Data bases: PostgreSQL.

Languages

English – fluent
Hebrew – native

Summary

Motivated Computer Science student (Hebrew University, 2027) with a strong foundation in software engineering principles and comprehensive Full Stack development experience. Proficient in C#, ASP.NET, and Java, with a proven track record of architecting and deploying scalable web and mobile applications from scratch. Highly disciplined and self-taught, with a passion for tackling complex challenges and a drive to contribute to a dynamic R&D team.

Experience

Full Stack Developer
Freelance · 2024 – Present
• Architected **MoodCast** using **ASP.NET (C#)** and **PostgreSQL**, integrating **OpenAI**, **Google OAuth**, and **Stripe**.
 • Developing **Runio**, a cross-platform mobile application using **Flutter (Dart)**, focusing on efficient state management and UI/UX.
• Managed the complete SDLC from system architecture and database design to deployment.

Computer Science Bagrut Teacher
IASA High School · 2024-Present
• Teaching 5–10 unit computer science courses, including Java, Data Structures, Web Development, and Automata with good success rate at students grades.
• Focused on hands-on skills and Bagrut exam preparation.

Projects

MoodCast
A self-initiated web app that recommends movies based on the user's mood using an AI agent. Includes user registration and login (including Google OAuth), backed by a PostgreSQL database. Built with ASP.NET Framework (C#), HTML and CSS.
[MoodCast Personal Project](#), [View Demo Video](#),[Live Website](#)

Image-Processing
This Python project involves image processing tasks and Algorithms such as resizing, converting to black and white, and cartoonifying pictures.
[Image Processing Project](#)

Education

Bachelor of Science – The Hebrew University of Jerusalem, Jerusalem
- Second year Computer Science student, graduate in 2027.
- **Key courses**: programming workshop in C & C++ (85),data structures (87), algorithms, Computer Architecture.

Pre-academic studies, The Hebrew University of Jerusalem, Jerusalem
2022 – 2023
- Physics, Mathematics and academic writing
- Final grade: 100