

Yair Shtern

Software Developer

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Summary:

Computer Science graduate from the Hebrew University of Jerusalem, seeking my first position as a Software Developer. A self-learner with a thorough approach, strong debugging skills, creative thinking, and a passion for problem-solving. I am eager to leverage my academic knowledge in a dynamic work environment and demonstrate my capabilities.

Education:

2020 - 2023: Hebrew University of Jerusalem

- Included on the Dean's List for the final year of the degree.

2019 - 2020: The Open University

- Started studies there before transferring to the Hebrew University.

2017 - 2018: External Bagrut Studies

- Studied independently after growing up in an ultra-Orthodox community with limited formal education.

Skills:

Java · Python · C · C++ · JavaScript · HTML · CSS · Node.js · React · PostgreSQL · Firebase · XML · Kotlin · Object-oriented programming

Projects:

- [Penguin Game:](#)
A **Java**-based avatar simulation game with an infinite world using the DanoGameLab framework, emphasizing encapsulation, design patterns, and key **OOP** principles such as inheritance and polymorphism.
- [IML Hackathon & Challenge:](#)
Participated in a **Machine Learning** Hackathon focused on predicting breast cancer events and a weekly challenge predicting customer cancellations using real booking data. Utilized **Python**, **Scikit-learn**, and data preprocessing techniques to develop and optimize models.
- [MovieDB Web-App:](#)
Built a movie-rating web application using **JavaScript**, **Node.js**, **Express**, **Bootstrap** and **PostgreSQL**. Integrated the **OMDb API** for movie data and implemented search, sort, and CRUD operations.
- [Memory Game](#) & [Lexitcom App:](#)
Developed Android apps using **Kotlin** and **Jetpack Compose**. Created a Memory Game with custom game logic and UI, and built the Lexitcom sitcom quiz app, implementing interactive features and engaging user interfaces.

External Courses: (Udemy)

- [Web Development Bootcamp \(Full-Stack\)](#)
An intensive course in **HTML**, **CSS**, **JavaScript**, **Node.js**, and **React**. Gained practical experience with **PostgreSQL**, Web3 technologies, and decentralized applications (DApps).
- [Android Development \(Kotlin\)](#)
A project-based course covering **Kotlin**, **XML**, **Jetpack Compose**, and **Firebase**.

Languages:

- **Hebrew:** Native
- **English:** Fluent