

Avigail Hagay

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🐙 <https://github.com/AvigailHagay>

Languages

Hebrew	Native
English	Advanced

Technical Skills

Programming Languages:

C, C++, Python, Assembly x86,
JavaScript, Java.

Database Management

Systems:

MySQL, PostgreSQL.

Web Technologies:

HTML, CSS, React.

Other:

Linux, Visual Studio, Git.

Profile

Recent Computer Science graduate from an Ultra-Orthodox background (see Cover Letter). Demonstrates strong motivation and a consistent record of achieving goals. Seeking opportunities for growth and meaningful world contributions.

Projects

• NASA Image Viewer & Commenting Web Application.

Developed a web application that allows users to view the NASA image of the day and leave comments. Utilized technologies including **Node.js**, **EJS**, **JavaScript**, **HTML**, and **CSS**, and implemented the **MVC** pattern.

Demonstrated a strong understanding of web development principles including server-side and client-side programming, database management, and web application design.

• E-commerce Website.

Developed a **React/Spring**-based e-commerce **website**, incorporating TMDb API for movie data. Utilized **JavaScript**, **React.js**, **CSS**, **HTML**, and React features for front-end design and navigation. The website includes search, cart, and checkout pages. Leveraged Spring for back-end functionality, offering a **REST API** for front-end interactions, shopping cart management, and **SQL Server** purchase recording, showcasing proficiency in **RESTful APIs**, **web services**, and **JSON**.

• C++ Game Development.

Developed a comprehensive game in **C++**, applying **OOP principles**, **design patterns**, and tools like **BOX2D**, **Templates**, **STL** data structures, STL algorithms, and SFML graphic library. Managed entire project lifecycle prioritizing quality and efficiency.

Education

B.Sc. Computer Science, Hadassah Academic College

Jerusalem | 2020 - 2023

Current GPA: 91

- Gained solid knowledge in Operating systems, Databases, SQL, Object Oriented programming, memory management, and more relevant fields.
- Familiar with relevant algorithms and with their techniques.

Work experience

Private Math tutor

Jerusalem | 2019 – present

Community contribution

QueenB

2021 - present