

Avigayil Resnick

Software Developer | Practical Software Engineer (MAHAT) | Computer Science Student

Avigayilt124@gmail.com | 053-317-6173 | Jerusalem, Israel

## SUMMARY

Detail-oriented software engineering student with a solid foundation in full-stack web development and growing experience in embedded systems. Proficient in C, C++, and modern languages such as JavaScript and Python. Hands-on experience building responsive web applications using React. Skilled in debugging, code optimization, and ensuring software reliability through thorough validation and testing. Experience designing and implementing data structures and algorithms. Passionate about learning new technologies and developing efficient, user-focused solutions. Eager to apply skills in a challenging embedded systems environment.

## EDUCATION

B.Sc. Computer Science (in progress) 2023-Present

Tuvuna Academic College (Machon Lev)

Google and Reichman Tech School 2025

Petach Tikvah

The Software Development program is an intensive 180-hour training focusing on industry-ready software development practices with a practicum in Ready group

Software Engineering/Computer Science 2023-2025

Bnot Elisheva, Jerusalem

Combined Program by Lev Academic Center and MAHAT

High School 2019-2023

Bnot Elisheva, Jerusalem

5 units in English and Math, specialized in Computer Science (11 units), final project built with C# and WPF.

## PROJECTS/EXPERIENCE

Event Management Platform - React / Node.js / MySQL

- Built a full-stack platform connecting users with event suppliers by category, price, and location
- Implemented image uploads, smart filtering, and real-time RESTful APIs
- Developed a responsive React frontend and Node.js/Express backend with MySQL

Store Management System Node.js / JavaScript / SQL / JSON

- Created a full-stack system for suppliers and store owners to manage orders and inventory
- Developed RESTful APIs for registration, order tracking, and status updates
- Added automated ordering when product quantities fall below defined thresholds

Volunteer Management System C# / .NET

- Developed using a Five-Tier Architecture with clear separation of concerns
- Built modules for volunteer-call matching, scheduling, and data presentation
- Implemented modular XML-based data storage for maintainable long-term use

## SKILLS

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

Web & Software Development: .NET, WPF, HTML, CSS, JavaScript, React, Node.js, RESTful APIs

Databases: SQL, MySQL

Tools: Visual Studio, VS Code, Git, GitHub, Postman

Computer Science Foundations: Algorithms, Data Structures, Graph Theory, Digital Systems, Cybersecurity, AI Fundamentals

Testing (QA Automation): Selenium (Java), Cypress (TypeScript)

## LANGUAGES

English - Native

Hebrew - Native