

# Gal Amar

Software Engineering (B.Sc.) Student | Searching for a junior role | 1 semester left until graduation

## Contact Information



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**Resume Website:** [www.gal-amar.com](http://www.gal-amar.com)

## Education

**BSc in Computer Software Engineering** ORT Braude College (2019 – Present) | GPA 84

- **Relevant knowledge gained:**

- Programming Languages: Proficiency in Java, C, Python, and Assembly.
- Web Development: Experience in developing websites using HTML, CSS, React, JavaScript, and Bootstrap for the front-end and Node.js for the back-end.
- Object-Oriented Programming: Good understanding and practical application of OOP principles, including polymorphism, inheritance, and abstraction.
- Parallel Programming: Knowledge of parallel programming techniques, multithreading, and managing processes under the Linux Operating System.
- MySQL: Experience in writing queries and working with MySQL databases.
- Software Design: understanding of planning software structure using various UML diagrams, including Use Case diagram, Activity diagram, Class diagram, State diagram, and Sequence diagram.

- **Flower Shop – “Zerli” Project:**

Developed a Java-based web application with a JavaFX GUI and CSS for a flower shop, utilizing client-server architecture and effective database management. This project enhanced my skills in teamwork, understanding client demands, translating them into project requirements, and planning projects from scratch using diagrams and timelines. It also exposed me to the agile methodology of Scrum, providing valuable experience in collaborative engineering work.

- **Capstone Project- “Safe Plane” (ongoing):**

Vacation Schedule Generation using ChatGPT API and React

The project includes two main phases:

1. Design and Research: Conduct comprehensive research on ChatGPT prompts and API integration to ensure effective utilization of the technology. In addition, explore various web development technologies to select the most suitable tools for the project and create diagrams for design.
2. Website Development: Designing intuitive templates with a seamless interface, allowing users to search and enter their preferences easily. Using React for the front-end implementation and utilizing the ChatGPT API as the powerful back-end solution.

## **Cellphone Repair & Diagnostics Technician** JOHN BRYCE (2017)

- Repairing and diagnosing problems on the technical side of mobile devices

## Accomplishments

### **2nd Place - Hackathon for the Elderly** Issued by Joint Eshel (2022)

- Designed a device that dresses people with back issues, specifically older people.
- Won 2<sup>nd</sup> place against 50 groups.

## Experience

### **Cellular Technician** Nelcom Laboratory Ltd. (2016-2017)

- Diagnosis of faults and their repair on mobile devices

### **Operations Sergeant in Israel Defense Forces** (2014-2016)

## Languages

**Hebrew** - Native speaker

**English** – Advanced

