




# Sara Omar

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## Professional Summary

Driven and detail-oriented Computer Science and Mathematics student at the Technion with hands-on experience in software verification, front-end development, and tech education. Known for a strong command of Python, React, and testing frameworks, with a proven ability to work in Agile environments and deliver robust, scalable solutions. Passionate about building user-friendly web applications and empowering learners through tech education.

## Education

B.Sc. in Computer Science and Mathematics

Technion – Israel Institute of Technology | Expected Graduation: [2025]

## Professional Experience

### Verification Software Developer Intern

[Amazon](#), Haifa | Present

- Developed and executed high-level Python-based unit and integration tests using Pytest for distributed systems.
- Designed automation frameworks to validate performance, reliability, and functionality at scale.
- Collaborated cross-functionally using Jira and Agile practices to manage sprint deliverables.
- Identified critical bugs and enhanced overall system stability through proactive QA.

### Front-End Developer Intern

[Pendo](#), Herzliya | Nov 2022 – Nov 2023

- Built dynamic, responsive UIs using HTML, CSS, JavaScript, and React.
- Partnered with designers and back-end engineers to implement seamless user experiences.
- Debugged and resolved production issues, improving front-end load time and user satisfaction.

## Coding Instructor

StarTech, Remote | Jan 2023 – Feb 2024

- Designed and led programming lessons in Java and C for students across skill levels.
- Created a supportive classroom environment focused on curiosity, collaboration, and critical thinking.
- Mentored over 30 students, many of whom went on to participate in coding competitions or advanced coursework.

## **Technical Skills**

- Languages & Frameworks: Python, Java, C++, JavaScript, React, HTML, CSS
- Testing & Tools: Pytest, Git, Jira, Agile methodologies
- Software Development: Front-End Design, Test Automation, Software Verification
- Soft Skills: Problem-solving, Technical Communication, Mentorship
- **Certifications:** QA Certificate – Ecom College | The Science of Well-Being – Yale University | prompt engineering essentials-Google | front-end development-She Codes.

## **Languages**

English (Fluent) | Arabic (Fluent) | Hebrew (Fluent) | German (Basic)

## **References and recommendation letters**

Available upon request.