Shaina Slavin

Computer Science Student | Software Engineering

Summary

Computer Science student with a strong foundation in software engineering principles and hands-on experience in full-stack development. Proficient in React, JavaScript, Swift, and Python, with a focus on building scalable, maintainable applications. Experienced in implementing algorithms, data structures, and modern software development practices. Passionate about creating efficient, user-centric solutions and contributing to open-source projects.

Technical Skills

Programming Languages

JavaScript (ES6+), Python, Java, Swift, TypeScript, HTML5, CSS3, C++ (learning), Go (learning)

Frameworks & Technologies

React, Node.js, Express, REST APIs, GraphQL, Redux, Flutter, SwiftUI, Git, GitHub, Docker, CI/CD

Computer Science Fundamentals

Data Structures, Algorithms, Object-Oriented Programming, Design Patterns, System Design, Database Design, Software Architecture

Development Tools

VS Code, Xcode, Git, GitHub Actions, Bitrise, JIRA, Figma, Postman, MongoDB, Firebase

Education

B.Sc. in Computer Science

The Open University of Israel

2024 - Present

- Core coursework: Data Structures, Algorithms, Software Engineering, Web Development, Mobile App Development
- Advanced mathematics and computer science fundamentals

Mechina (Preparatory Program)

The Hebrew University

2021 - 2023

- Intensive preparation for Computer Science degree
- Completed advanced mathematics and physics courses
- Developed strong foundation in programming fundamentals

Technical Projects

Smart Context Companion
Principal Architect & Lead Engineer

Cross-Platform AI Productivity Suite

- Designed and implemented a modular architecture for cross-platform development using Flutter and KMM
- Developed secure OAuth 2.0 integration with Google Services API
- Implemented on-device ML processing using Core ML and TensorFlow Lite
- Built CI/CD pipeline using GitHub Actions and Bitrise for automated testing and deployment
- Technologies: Flutter, KMM, Swift/SwiftUI, Kotlin/Jetpack Compose, OAuth 2.0, Core ML, TensorFlow Lite, ML Kit, Google APIs

Anti-Hallucination AI System
Advanced AI Platform for Language Model Accuracy

- Implemented RAG (Retrieval-Augmented Generation) and RLHF (Reinforcement Learning from Human Feedback) for improved model accuracy
- Developed real-time fact-checking system with citation tracking
- Created explainable AI modules with confidence scoring and error analysis
- Built cross-platform clients using Swift and modern development tools

FinePrint
Privacy Management Web and Mobile Application

- Architected and developed full-stack application using React and SwiftUI
- Implemented secure data handling and encryption for user privacy
- Designed and built robust account management system with role-based access control
- Ensured WCAG compliance and implemented comprehensive accessibility features

OurBigKitchen App
Community Volunteer and Food Rescue Platform

- Developed a full-stack web and iOS application to connect volunteers with meaningful community service opportunities
- Supports food rescue by matching surplus food with those in need, reducing waste and providing dignity to recipients

Professional Experience

Program Coordinator, Support for Israel War Effort

Israel

Oct 2023 – Present

- Developed and maintained database systems for tracking program participants and resources
- Created automated reporting tools to streamline program management
- Implemented data-driven decision making to optimize resource allocation

Ambassador, Gift of Life Marrow Registry

Israel

2023 – Present

- Recruited over 2,000 bone marrow swabs, focusing on minority groups; directly contributed to six matches for patients in need
- Led public awareness campaigns and facilitated donor drives at community events

Curriculum Developer

Jean Schottenstein Oryah Institute, Jerusalem, Israel

2021 – 2022

- Collaborated with principals, teachers, and professionals to design and implement a modern, student-centered curriculum
- Integrated technology and emotional support strategies to enhance student outcomes

Additional Information

VATAT Scholarship for preparatory studies, The Hebrew University (2021)

Second Place, International Essay Competition (2020)

Community Service Award, Jewish Life and Education, Sydney (2016)

Languages: English (Native), Hebrew (Fluent), Yiddish (Conversational)

GitHub: github.com/S-slavin

LinkedIn: linkedin.com/in/shaina-slavin