

Or Bitan

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Profile: Fourth-year Software Engineering college student with a strong academic background in cybersecurity and web development. Skilled in C, C++, Python, PHP, and JavaScript, AWS. Excellent problem-solving, communication, and collaboration abilities.

Education

Bachelor of Science (B.Sc.) in Software Engineering

Shenkar College of Engineering and Design, 2021 - Present (4th Year)

- Current GPA: 88.35
- Awarded dean's list honors for outstanding academic performance (first year).

Experience

Teaching Assistant

Shenkar College of Engineering and Design, 2023

- Assisted in the course "Introduction to Systems Programming."
- Evaluated and provided constructive feedback on programming exercises.
- Covered topics such as object-oriented programming and design patterns.

Security Officer

Intel Kiryat Gat, Team 3 Ltd., 2019-2022

- Ensured compliance with security protocols and coordinated effectively within teams.
- Maintained high service standards and operational order.

Projects

Cybersecurity Project – Secure Web Server (Zoobar)

- Developed a secure web application with privilege separation (POLP), microservices architecture.
- Implemented and hardened services, including authentication, banking, firewall, and logging.
- Prevented security threats: buffer overflows, code injection, XSS, MITM, and transaction exploits.
- Enforced process isolation using chroot, UID/GID separation, and Unix sockets.
- Participated in a 2-day cybersecurity hackathon, attacking and defending systems to test security.
- Conducted penetration testing to identify and patch vulnerabilities.

Soldier Support System

- Developed a Django web app to match soldier needs with donor contributions.
- Managed data using SQL and MySQL, designed a responsive user interface using HTML, JavaScript, and CSS, and integrated Google Maps API to facilitate geographic matching.
- Enabled automated and manual matching processes to connect donors with soldiers based on prioritized needs and geographic proximity.

Maze Game Generator and Solver

- Built a maze game in C++ using design patterns and graph algorithms.
- Implemented user navigation and an optimal path-solving algorithm for efficient gameplay.

Skills

- **Programming Languages:** C, C++, Python, PHP, JavaScript
- **Frameworks and Tools:** Django, SQL, AWS, Git, HTML, CSS
- **Languages:** Hebrew (native), English (advanced proficiency)

Military Service

Squad Commander, Magal Training System, 2016-2017

Led a team of recruits, focusing on training, motivation, and discipline. Developed and implemented training programs, managed schedules, and operated under high-pressure conditions, demonstrating quick learning and problem-solving skills.

Human Resources Planning NCO, 2018-2019

Managed human resources data with high-security clearance, utilizing advanced data processing tools.