

Igal Tal Merom

Software developer

B.Sc. Computer Science & Entrepreneurship

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PROFESSIONAL EXPERIENCE

Voltify / Junior Software Developer

SEP 2024 - PRESENT, Ramat Gan, Israel

- Developed device communication layers in C and C++ for industrial systems over custom protocols.
- Built Python-based simulators for emulating hardware behavior and testing edge cases.
- Deployed and debugged code on remote Linux environments using Docker containers.
- Collaborated with infrastructure and firmware engineers on integration, testing, and performance.
- Contributed to team tooling and environment optimization using shell scripts and Git workflows.

Reichman University / Academic Coordinator

AUG 2023 - PRESENT, Herzliya, Israel

- Supported 600+ CS students through academic guidance, mentorship, and onboarding events.
- Organized technical workshops and acted as a communication bridge between students and faculty.

Consulate General of Israel / Assistant to General Manager

DEC 2021 - AUG 2022 , Manhattan , New York

- Coordinated logistics for high-profile events, ensuring smooth operations and confidentiality. Streamlined event planning processes, reducing preparation times by 30%.

PROJECTS

My_Personal_Gym / C#, ASP.NET, SQL Server, Docker

- Full-stack gym app for tracking workouts and managing user sessions.
- Used environments and optimized SQL queries for 70% faster DB access.

UniversityGradesProject / Python, Selenium, SQLite, Telegram API

- Automated university grade retrieval and notifications, reducing manual tasks by 90%.

Machine Learning Project / Python, Scikit-learn

- Built a Decision Tree classifier, focusing on accuracy improvement and pruning techniques.

EDUCATION

Reichman University / Bachelor of Science in Computer Science & Entrepreneurship

2022 - PRESENT, Herzliya, Israel

GPA: 82 Relevant Courses: Advanced Programming, Web Development, Product Management

Leadership Role: Academic Coordinator, supporting over 200 students..

Amit Bar Ilan / High School Diploma

2014 - 2017, Ramat Gan, Israel

Graduated with Honors (110/115) | Majored in Computer Science **Leadership Role:** Head of Student Organization

MILITARY SERVICE

Israeli Air Force / Combat Soldiers Instructor

AUG 2018 - APR 2021

Conducted specialized training programs, focusing on leadership development. Managed classified materials with high accuracy and responsibility.

VOLUNTEER EXPERIENCE

Ami Hai Pre-Military Academy / Leadership Development Participant

Led community projects, organized educational treks, and developed workshops on leadership and teamwork.

URJ Camp Harlam, Pennsylvania, USA / Summer Camp Counselor

Supervised and mentored youth aged 8-16, promoting cultural integration and team-building activities.

PROFESSIONAL SUMMARY

Junior Software Developer with hands-on experience in C, C++, Python, and embedded device communication. Currently writing real-time infrastructure and simulators at Voltify, running on remote Linux systems with Docker.

Skilled in performance-oriented development, systems integration, and automation. Academic Coordinator for 600+ students. Pursuing a B.Sc. in Computer Science & Entrepreneurship.

TECHNICAL SKILLS

Programming Languages

Python, C, C++, C#, Java, JavaScript, SQL, HTML/CSS

Frameworks & Tools:

Docker, Flask, Selenium, Git, Linux, SQLite.

Core Competencies

Embedded Communication, Remote Development, TCP/IP, Automation, System Design, Device Protocols.

CERTIFICATIONS

Automate Everything with Python **Udemy**

Excellence in Training and Leadership **IDF**

Bartending Certification **"Zman Amiti"**

HOBBIES

Certified Scuba Diver

Bartending

LANGUAGES

Hebrew: Native

English: Fluent

Basic Arabic: Reading