

Eran David Tzarum

Software Developer | Backend / Full Stack

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PROFILE

Computer Science graduate (B.Sc., 2026) with a strong upward academic trajectory and hands-on experience in backend development and AI-based systems. Co-Founder and Lead Developer of a consumer-tech startup, leading Android MVP development and technical strategy within the 8200 IMPACT accelerator. Built machine learning models and full-stack systems, delivering functional prototypes in high-pressure environments. Seeking a Backend or Full Stack Software Developer role.

TECHNICAL SKILLS

Programming Languages: Python, C#, Java, C++, C, SQL, JavaScript, HTML/CSS

Backend & Data: REST APIs, Supabase (PostgreSQL), Scikit-learn, Pandas, NumPy

Tools & Platforms: Unity Engine, Android Studio, Linux/Unix, Git, GitHub, VS Code

Concepts: OOP, Data Structures & Algorithms, Machine Learning, Network Protocols (TCP/UDP)

EXPERIENCE

Smart-Fridge (Startup Venture)

Co-Founder & Lead Developer

Herzliya, Israel

2022 – Present

- Delivered a fully functional Android MVP used for investor demonstrations (50+ stakeholders).
- Designed predictive inventory logic projected to reduce food waste by up to 25%.
- Developed the product roadmap and technical strategy within the prestigious **8200 IMPACT** accelerator.

”Zion LeShevach” Learning Center

Math Instructor & Mentor

Herzliya, Israel

2021 – Present

- Mentored high-school students in advanced mathematics (5 units), strengthening analytical thinking and problem-solving skills.

TECHNICAL PROJECTS

”TimeSkip” – AI-Based ADHD Assessment Platform | *Full Stack, Data Science*

Grade: 96

- Achieved **85% classification accuracy** on a real-world behavioral ADHD dataset (n=104) using Logistic Regression.
- Engineered a data pipeline extracting 23 behavioral features with millisecond event logging precision.
- Developed a stealth-assessment game in **Unity (C#)** integrated with a **Python** backend via REST APIs.
- [View on GitHub](#) | [Live Demo](#)

Communication Networks & Cyber Security | *C, C++, Python*

Academic

- Implemented reliable data transfer protocols (TCP/UDP) and congestion control algorithms in C.
- Developed a cyber-attack detection tool analyzing network traffic patterns for security vulnerabilities.

EDUCATION

Ariel University

B.Sc. in Computer Science

Ariel, Israel

2026

- **Academic Excellence:** Achieved a **95+ average** in the final year (Cumulative: 78).

- **Specialization:** Data Science, Cyber Security, and Game Development.

- **Key Courses:** Operating Systems (100), Data Compression (98), Cyber Attack Detection (90).

MILITARY SERVICE

IDF Reserve Duty – ”Iron Swords” War

Israel

Operational Duty (Volunteer)

2024 – 2025

- Maintained a **95+ academic average** while serving over **200 days** in high-pressure operational reserve duty.

Israel Defense Forces (IAF)

Israel

Aircraft Firing Systems Technician

2015 – 2018

- Responsible for critical aircraft systems, requiring technical discipline and adherence to strict safety protocols.