

# Eran David Tzarum

Herzliya, Israel

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## PROFILE

Ambitious Computer Science graduate with a strong upward academic trajectory. Co-Founder of a consumer-tech startup and developer of an innovative AI-based assessment tool. Highly versatile, combining deep backend logic with frontend implementation. Passionate about efficiency, automation, and teaching complex concepts.

## EDUCATION

### Ariel University

B.Sc. in Computer Science

Ariel, Israel

2026

- Academic Excellence:** Achieved a **95+** average in the final year (Cumulative: 78), demonstrating outstanding improvement and mastery of advanced topics.
- Specialization:** Data Science, Cyber Security, and Game Development.
- Key Courses:** Cyber Attack Detection (90), Data Compression (98), Algorithms 2, Operating Systems (100).

## EXPERIENCE

### Smart-Fridge (Startup Venture)

Co-Founder & Lead Developer

Herzliya, Israel

2022 – Present

- Founded a consumer-tech startup aiming to reduce global food waste via smart inventory tracking and AI.
- Led the technical development of the **Android MVP** using **Java**, translating business logic into a functional UI.
- Designed algorithms for expiration tracking and managed the product lifecycle from concept to prototype.
- Pitched to 50+ investors in an accelerator program, refining product strategy and roadmap.

### "Zion LeShevach" Learning Center

Math Instructor & Mentor (High School Level)

Herzliya, Israel

2021 – Present

- Mentored students towards matriculation exams (5 units), focusing on analytical thinking and problem-solving.
- Simplified complex mathematical logic, adapting teaching strategies to individual learning curves.

### 8200 IMPACT Program

Entrepreneurship Program Participant

Tel Aviv, Israel

2022

- Selected for the prestigious 8200 IMPACT accelerator; developed business strategy for Smart-Fridge.

## TECHNICAL PROJECTS

### "TimeSkip" – AI-Based ADHD Assessment Platform | Full Stack, Data Science

Grade: 96

- Developed a stealth-assessment game in **Unity (C#)** to diagnose ADHD, tested on 104 students.
- Architected a **Python** backend connecting to a **Supabase (PostgreSQL)** database via RESTful APIs.
- Built a data pipeline extracting 23 behavioral features (e.g., Reaction Time CV, Micro-movements).
- Trained and deployed a **Logistic Regression** model (Scikit-learn) achieving **~85% accuracy**.
- Optimized real-time event logging to capture millisecond-level player inputs.

### 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.

## MILITARY SERVICE

### IDF Reserve Duty – "Iron Swords" War

Operational Duty (Volunteer)

Khan Yunis / Gaza Strip

July 2024 – April 2025

- Volunteered for **200+ days** of operational reserve duty, serving in combat support roles.
- Demonstrated resilience by balancing intense operational activity with final-year academic requirements.
- Displayed adaptability by volunteering for a different unit to support urgent operational needs.

### Israel Defense Forces (IAF)

Aircraft Firing Systems Technician

Israel

2015 – 2018

- Responsible for critical aircraft systems, requiring high technical discipline and safety protocols.

## TECHNICAL SKILLS

**Languages:** C#, Python, Java, C++, C, SQL, JavaScript

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

**Development:** Unity Engine, Android Studio, Linux/Unix, Git, GitHub, VS Code

**Concepts:** OOP, Data Structures, Machine Learning Basics

**Interests:** Snowboarding, Surfing, Beach Volleyball, Strategic Gaming, Entrepreneurship