

# Eran David Tzarum

Herzliya, Israel

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## PROFILE

Ambitious Computer Science graduate with a strong upward academic trajectory (Final Year Avg: 95+). 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 solving complex real-world problems through code.

## EDUCATION

<b>Ariel University</b> <i>B.Sc. in Computer Science</i>	Ariel, Israel 2026
<ul style="list-style-type: none"><li><b>Academic Excellence:</b> Achieved a <b>95+</b> average in the final year (Cumulative: 78), demonstrating outstanding improvement and mastery of advanced topics.</li><li><b>Specialization:</b> Data Science, Cyber Security, and Game Development.</li><li><b>Key Courses:</b> Cyber Attack Detection (90), Data Compression (98), Algorithms 2, Operating Systems (100).</li></ul>	

## EXPERIENCE

<b>Smart-Fridge (Startup Venture)</b> <i>Co-Founder &amp; Lead Developer</i>	Herzliya, Israel 2022–Pres.
<ul style="list-style-type: none"><li>Founded a consumer-tech startup aiming to reduce global food waste via smart inventory tracking and AI.</li><li>Led the technical development of the <b>Android MVP</b> using <b>Java</b> and Android Studio.</li><li>Translated complex business logic into a functional, user-friendly interface.</li><li>Designed and implemented algorithms for expiration date tracking and automated shopping list generation.</li><li>Managed the product lifecycle from concept to prototype, pitching to 50+ investors in an accelerator program.</li></ul>	
<b>8200 IMPACT Program</b> <i>Entrepreneurship Program Participant</i>	Tel Aviv, Israel 2022

## TECHNICAL PROJECTS

<b>"TimeSkip" – AI-Based ADHD Assessment Platform</b>   <i>Full Stack, Data Science</i>	Grade: 96
<ul style="list-style-type: none"><li>Developed a stealth-assessment game in <b>Unity (C#)</b> to diagnose ADHD, tested on 104 students.</li><li>Architected a <b>Python</b> backend connecting to a <b>Supabase (PostgreSQL)</b> database via RESTful APIs.</li><li>Built a data pipeline extracting 23 behavioral features (e.g., Reaction Time CV, Micro-movements).</li><li>Trained and deployed a <b>Logistic Regression</b> model (Scikit-learn) achieving <b>&gt;85% accuracy</b>.</li><li>Optimized real-time event logging to capture millisecond-level player inputs.</li></ul>	
<b>Communication Networks &amp; Cyber Security</b>   <i>C, C++, Python</i>	Academic

## MILITARY SERVICE

<b>IDF Reserve Duty – "Iron Swords" War</b> <i>Operational Duty (Volunteer)</i>	Khan Yunis / Gaza Strip July 2024 – April 2025
<ul style="list-style-type: none"><li>Volunteered for <b>200+ days</b> of operational reserve duty, serving in combat support roles.</li><li>Demonstrated extreme resilience by balancing intense operational activity with final-year academic requirements (maintaining 95+ average).</li><li>Displayed adaptability by volunteering for a different unit to support urgent operational needs.</li></ul>	
<b>Israel Defense Forces (IAF)</b> <i>Aircraft Firing Systems Technician</i>	Israel 2015 – 2018

## TECHNICAL SKILLS

<b>Languages:</b> C#, Python, Java, C++, C, SQL, JavaScript
<b>Backend &amp; Data:</b> Supabase (PostgreSQL), REST APIs, Scikit-learn, Pandas, NumPy
<b>Development:</b> Unity Engine, Android Studio, Linux/Unix, Git, GitHub, VS Code
<b>Concepts:</b> OOP, Data Structures, Machine Learning Basics
<b>Interests:</b> Snowboarding, Surfing, Beach Volleyball, Strategic Gaming, Entrepreneurship