

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

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| Smart-Fridge (Startup Venture)
<i>Co-Founder & Lead Developer</i> | Herzliya, Israel
2022 – Present |
| <ul style="list-style-type: none">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
<i>Math Instructor & Mentor</i> | Herzliya, Israel
2021 – Present |
| <ul style="list-style-type: none">Mentored high-school students in advanced mathematics (5 units), strengthening analytical thinking and problem-solving skills. | |

TECHNICAL PROJECTS

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| "TimeSkip" – AI-Based ADHD Assessment Platform <i>Full Stack, Data Science</i> | Grade: 96 |
| <ul style="list-style-type: none">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 <i>C, C++, Python</i> | Academic |
| <ul style="list-style-type: none">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

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| Ariel University
<i>B.Sc. in Computer Science</i> | Ariel, Israel
2026 |
| <ul style="list-style-type: none">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

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| IDF Reserve Duty – "Iron Swords" War
<i>Operational Duty (Volunteer)</i> | Israel
2024 – 2025 |
| <ul style="list-style-type: none">Maintained a 95+ academic average while serving over 200 days in high-pressure operational reserve duty. | |
| Israel Defense Forces (IAF)
<i>Aircraft Firing Systems Technician</i> | Israel
2015 – 2018 |
| <ul style="list-style-type: none">Responsible for critical aircraft systems, requiring technical discipline and adherence to strict safety protocols. | |