

Noam Teshuva

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OBJECTIVE

Curious, independent thinker with a strong technical foundation (B.Sc. in Computer Science & Math) and hands-on research experience in tech, OSINT, and AI. Deeply immersed in the world of technology — from startups to infrastructure to consumer gadgets — with daily exposure through podcasts, Twitter, Reddit, and close contact with builders and investors. Looking to join a team that thinks ahead of the curve and values clarity, sharp questions, and real tech understanding.

TECHNICAL SKILLS

Programming: Python (Pandas, NumPy, Scikit-learn, Matplotlib), SQL, MongoDB

Tools: Cursor, Jupyter, GitHub, QGIS, VS Code, NotebookLM, Claude, GPT, Cursor

Geospatial & Data: GeoPandas, OSMnx, open APIs, spatial data processing

Languages: English (native), Hebrew (native; bilingual)

RELEVANT EXPERIENCE

Research Assistant

Civil Engineering Department, Ariel University

2024-present

- Sourced and integrated multi-source GIS datasets (OSM APIs, CSVs) for a pedestrian volume prediction [project](#).
- Designed end-to-end ML pipeline to predict pedestrian volume using geospatial, temporal, and environmental data; main model: CatBoost classifier.
- Built robust preprocessing workflows (Python, GeoPandas, Pandas) including spatial joins, time features, and land use extraction from OpenStreetMap and sensor data.
- Collaborated with the Civil Engineering and Architecture departments to apply predictions in real-world planning scenarios.
- Co-developed a web tool for the Architecture department to visualize and utilize model outputs for urban design and policy research.

Israeli Defense Forces

Intelligence Corps

2017 – 2019

- **Intelligence Analyst – Judea & Samaria:** Conducted strategic and tactical research using SQL-like systems, delivering actionable intelligence under tight deadlines. Awarded Outstanding Soldier (2018).
- **Commander – Research Analyst Training Course:** Led three cohorts of 10 soldiers, training them in analytical research and operational methodologies.

Reserve Duty

2023-2025

- **OSINT Unit & Combat Battalion (Reserve):** Intelligence Officer and team leader in a combat unit, specializing in open-source intelligence, big data analysis, and GIS/Python workflows during the "Haravot Barzel" war.

EDUCATION

Ariel University, Ari'el

2021-2025

Candidate for Bachelor of Science

Double Major: Computer Science and Mathematics

Certifications: Completed Udemy's Python for Data Science and Machine Learning Bootcamp.