

Lavan Naveh

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U.S. Citizen | DoW Secret Clearance (Expires 2029) | Fluent: English & Hebrew

EDUCATION

- M.Sc. Computer Science**, GPA: 3.90 | AI Concentration & Summa Cum Laude. May 2024 - June 2025
Nova Southeastern University, Davie, FL
- B.Sc. Computer Science**, GPA: 3.86 August 2021 - May 2024
Nova Southeastern University, Davie, FL

EXPERIENCE

Software Engineer — Full-stack Development April 2026 - Present

Freelance Developer, Miami, FL

- Designed and developed full-stack web applications end-to-end for clients, owning everything from database schema and API design to frontend UI and deployment

Software Engineer — Backend Development August 2024 - April 2025

Plato Systems, San Francisco, CA

- Developed integration tests for back-end services using Jest and Javascript, improving test coverage
- Organized and implemented thousands of points of data into spatial-AI related environments
- Managed a team of 4 Humans-In-The-Loop (HITL) for real-time video annotation pipelines

Project Manager — NSU ESports Organization January 2022 - June 2024

Nova Southeastern University, Davie, FL

- Raised the organization's assets and value to over \$100,000, building out a full gaming lab
- Managed 10 individuals to develop a per-semester plan and achieve the organization's goals
- Coordinated athletes to travel and compete at the national collegiate level

Infantryman Platoon Sergeant August 2017 - December 2023

United States Army — Active Duty / National Guard | Multiple Locations

- Led and managed a platoon of 30 soldiers, overseeing training, readiness, and mission execution
- Supervised and developed personnel across three training rotations in a Stryker-based cavalry unit, maintaining combat readiness and operational effectiveness
- Deployed to Fort Myers in response to Hurricane Ian to provide disaster relief and maintain civil order
- Deployed to COVID-19 Vaccine Super Center, coordinating administration of vaccinations to 50,000 people
- Accountable for military equipment with an asset value of over \$30M
- Award:** 2019 Non-Commissioned Officer of the Year — Sabre Squadron, 3d Cavalry Regiment, Texas
- Award:** 2019 Army Commendation Medal for flawless execution of the Expert Infantryman Badge — Texas

PROJECTS

Finding Kumar March 2024

- Designed and built a 3D horror game with Unity and C#, implementing intelligent enemy AI and core gameplay systems
- Developed machine learning-driven (ML) game mechanics to dynamically scale difficulty based on player progression and behavior

FORN — Food Object Recognition & Nutrition January 2024

- Real-time food detection application developed using Kotlin, YOLOv8, and a SORT tracking algorithm with TensorFlow Lite for on-device inference
- Engineered end-to-end ML pipelines including preprocessing, model training, validation, and inference

NSU Better Housing April 2023

- Backend developer using Django, Spline, and MongoDB to restructure NSU's outdated interface systems

TECHNICAL SKILLS

Languages: C#, C++, Java, JavaScript, Kotlin, Python, TypeScript

Frameworks & Libraries: Django, Flask, Jest, TensorFlow, PyMongo, Unity

Databases:

MongoDB, SQL

Tools & Concepts:

AWS, chatGPT, Claude, Cursor, Docker, Git, Terraform, TMux; Multi-threading, round-robin scheduling, integration testing, real-time detection