

Evan L. Lopez

Private-Security and Administrative specialist turned Software Engineer with experience in risk-assessment and security protocols in critical environments.

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EXPERIENCE

UCLA Health, Los Angeles, CA — *Systems Administrative Technician*

JULY 2022 - JULY 2024

- Reconfigured operating room network topology, reducing patient record processing and retrieval time by 30%.
- Utilized software systems (Epic, CareConnect) to allocate patients, nurses and surgeons to 1 of 12 medical bays or 1 of 6 operating rooms, based on projected operation details.
- Processed/finalized medical records in accordance with HIPAA standards, including paperwork for transplant organs from donors.

2nd Battalion / 23rd Marines, San Bruno, CA — *Infantry Rifleman (MOS 0311)*

JULY 2012 - JULY 2016

- Rearranged a squad of 12 marines during a live-fire maneuver, increasing elemental mobility and field-of-view by 100%.
- Planned and conducted nighttime tactical movements and patrols, maintaining unit cohesion and operational security in zero-visibility conditions.
- DOD Secret Clearance (Inactive, eligible for reinstatement)

Marine Wing Support Squadron 473, Miramar, California — *Expeditionary Airfield Systems Technician (MOS 0711)*

JULY 2010 - JULY 2012

- Standardized a two-man AM-2 installation procedure, doubling overall safety, while maintaining a 0% loss in productivity.
- Performed preventive maintenance and troubleshooting on hydraulic, electrical, and mechanical systems critical to flight-line safety, in accordance with NATOPS standards.

EDUCATION

California State University, Northridge, Northridge, CA — *B.S. Computer Science*

January 2025 - May 2027

Completed coursework in Advanced Data Structures, Software Engineering, Discrete Structures, and Computer Assembly / Architecture.

SKILLS

Languages: C, Python, Java, JavaScript

Operating Systems: Fedora, Graphene

Tools: Github, VS Code

PROJECTS

Sonus — *AI Music Composition Tool*

Developed an AI-powered chord-prediction model that enhances music composition workflow, utilizing multiple models [N-Gram / Markov / LSTM] to analyze over 666,000 user-generated songs with chord progressions. Sourced training data from Chordinomicon database.

