

PROFESSIONAL SUMMARY

U.S. Marine Corps veteran and aspiring software engineer with an **active Top-Secret SCI Security Clearance**, leveraging over 7 years of experience leading diverse teams in dynamic, fast-paced, high-pressure environments. Possesses a comprehensive background in workplace safety, risk management, and written and oral communication. Experienced in equipment operation, cross-functional collaboration, and technical reporting while managing over \$650,000 in assets with zero losses or damage.

TECHNICAL COMPETENCIES

Languages: C++, Java, JavaScript, Python
Databases: MySQL

Development Tools: Git, GitHub, Command Line Tools
Operating Systems: macOS, Windows, Linux, Raspbian

PERSONAL PROJECTS

AI Search Algorithms – Pacman | Python

- Built search-based AI agents using A*, BFS, DFS, and UCS in a game-like environment with custom heuristics to solve complex navigation tasks. Extended codebase to support multiple intelligent agents and dynamic goal planning.

RPG Decision Tree Game | C++

- Built a text-based RPG by implementing binary tree structures to manage branching narratives, dynamically allocating memory and traversal logic to support interactive storylines.

Mountain Lion Detection System | Python, Systems Design

- Simulated a wildlife auditory detection system by designing an alert network with automated triggers and 30-day data retention to model real-time environmental monitoring.

Smart Mirror Display (MagicMirror Platform) | JavaScript, CSS

- Assembled and programmed a personalized smart mirror using the MagicMirror platform. Integrated hardware, display modules, and custom software to deliver real-time information such as weather, calendar events, and news.

KEY CONTRIBUTIONS

- Strategic Planning, Scheduling:** An experienced strategic planner skilled at balancing multiple competing priorities. Demonstrated ability to deliver critical results under high-stress conditions.
- Program Management, Collaboration:** Expertise in delegating, building consensus, establishing measurable objectives for goals/projects, and creating and enforcing timelines.

PROFESSIONAL EXPERIENCE

United States Marine Corps

Various Locations – Overseas, Stateside

- Department Manager** **March 2021 - December 2023**
 - Managed daily operations for maintenance center with over 48 personnel and over \$650,000 in equipment.
 - Processed 2,400 work orders and coordinated safe handling of hazardous materials and unserviceable assets.
 - Led collaborative teams to reduce risk incidents through proactive safety planning.
- Agency Operations Supervisor / Trainer** **July 2016 - March 2021**
 - Managed and trained over 545 military personnel across over 60 live-fire ranges and over 85 field exercises.
 - Delivered over 100 training sessions in combat engineering and logistics, increasing team capabilities by 35%.
 - Served as a field translator on overseas humanitarian missions and the construction of civic infrastructure.

SKILLS

- Analytical Thinking
- Adaptability
- Collaboration
- Problem-Solving
- Communication
- Time Management

EDUCATION

UNIVERSITY

Associate of Science for Transfer, Computer Science (GPA: 4.0/ 4.0)

CITY, California
May 2024

UNIVERSITY

Bachelor of Science, Computer Science (current GPA: 4.0/ 4.0)

CITY, California
Expected May 2026

Relevant Coursework: Data Structures, Operating Systems, Algorithms, Software Design, AI, Assembly Language