Sean Kim

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SUMMARY

BSCS-to-MSCS progressive program student. I build software that runs unattended and I test my own results before I believe them. Looking for AI and LLM application engineering internships. Remote or relocating.

EDUCATION

Western Governors University: MS, Computer Science, in progress. Expected October 2027
Western Governors University: BS, Computer Science, in progress. May 2024 – expected April 2027
Coursework: Applied Algorithms and Reasoning, Advanced Java, OS for Computer Scientists, Java Frameworks
Earlier: Thinkful, Data Science Program (2019) · Hack Reactor Remote, Advanced Software Engineering Immersive (2015) · Coding House, coding immersion (2014) · UCLA, Astrophysics coursework (2002–2006)

CERTIFICATIONS

ITIL 4 Foundation (2026) · CompTIA Security+ (2024) · Google Cybersecurity Certificate (2023)

PROJECTS

OW2 Match Tracker | React, Express, TypeScript, SQLite, Claude API Nov 2024 – present
Personal project · github.com/weaklearners/overwatch-tracker

- Built a full-stack app that has logged 3,238 competitive matches since Nov 2024, with per-hero, per-map and per-hour dashboards.
- Added an LLM pre-match advisor (Claude API) cached for 7 days per map and mode, so repeat visits do not re-call the API.
- Applied Bonferroni correction across 30 maps and 12 hours of the day. No effect survived. Retired my own earlier "key patterns" and documented why in the README.
- Rebuilt death tracking from a per-event subjective rating to a factual relational table after the subjective data proved unreliable.

nfl-forecast | Python, SQLite, launchd Sep 2026 – present
Personal project · github.com/weaklearners/nfl-props

- Built a pipeline that ranked NFL player props by historical clear rate and posted picks to Slack on a launchd schedule.
- Found a data-leakage bug in my own validation: the lookup used the wrong betting line, so 87% of checked rows carried a wrong value. Recomputed, the win rate was 61.9%, 61.4% and 61.0% from weakest to strongest third (726 bets), so the ranking did not rank. Across all 777 bets, the prices implied 70.5% and the bets won 62.4%.
- Published the negative result at the top of the README, and quarantined the backtest script whose figures could not be reproduced.

Multi-agent automation | Claude Code, shell, launchd, Slack Sep 2026 – present
Personal project · private

- Designed a set of scheduled agents with three model tiers (planning, implementation, mechanical), a frozen-spec handoff, and a human sign-off gate before anything goes out.
- Log the real cost of every unattended run to a ledger, so model-choice decisions start from numbers.

WORK HISTORY

Lead Tutor, HeyTutor 2022

- Tutored K–3 students in math and English in person. Promoted to Lead Tutor within two months.

Ramp Agent, Delta Air Lines 2016 – 2019

- Moved cargo and baggage to the correct flights with the dispatcher.

Junior Developer (contract), Loot Interactive 2016 – 2017

- Built the Red Bull TV application for the PlayStation platform in JavaScript, in Sony's proprietary development environment.
- Worked with the client (Red Bull) and senior developers to meet the client's specification.

U.S. Marine Corps Reserve 2004 – 2008

- Personnel administration. Graduated top of class with honors, Personnel Administration School, Camp Lejeune, NC.

SKILLS

Languages: Python, TypeScript, Java, SQL
Frameworks and tools: React, Express, Spring Boot, SQLite, Docker, Git, launchd
Applied: LLM application development (Claude API), prompt design, cost-aware caching, statistical testing, backtesting