Darian Tan

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EDUCATION

University of California San Diego   Expected Jun. 2027
B.S. Computer Science (Jun. 2026) — M.S. Computer Science (Admitted, AI/ML Track); GPA: 3.5   *La Jolla, CA*

- Relevant Coursework: Machine Learning, Recommender Systems, Database Systems, AI: Probabilistic Models, Advanced Data Structures, Algorithms, Operating Systems, Software Engineering

EXPERIENCE

U.S. Department of Defense   Sep. 2025 – Dec. 2025
National Security Product Intern   *La Jolla, CA*

- Drove Lean Startup and Agile product development cycles to scope, prototype, and iterate mission-critical defense software through weekly sprints and stakeholder reviews
- Conducted 40+ customer discovery interviews with naval officers to validate product assumptions, refine problem statements, and prioritize high-impact features
- Led cross-functional team in defining requirements and roadmap for doctrine compliance analysis tool, aligning usability, technical feasibility, and mission objectives

Handshake AI   Oct. 2025 – Present
AI Training & Evaluation Specialist   *Remote*

- Evaluated generative AI outputs against structured quality and alignment criteria, ensuring outputs met product trust, safety, and usability standards
- Provided actionable feedback that informed model tuning priorities, training data improvements, and product evaluation frameworks

Sustainable Investment Group, UCSD   Sep. 2024 – Sep. 2025
Quantitative Analyst   *La Jolla, CA*

- Built ARIMA, GARCH, and Rolling Sharpe models using Python to evaluate volatility, risk, and performance trends of target securities
- Translated complex quantitative analysis into clear narratives and investment recommendations presented to panel of expert judges in competitive stock pitch competition

Video Game Culture Club, Diablo Valley College   Jun. 2022 – Jan. 2023
President   *San Ramon, CA*

- Led 100+ member organization, defining vision, planning initiatives, and coordinating events to drive engagement and growth
- Managed $1,000+ budget and secured new funding, contributing to 30% membership growth

PROJECTS

Naval Doctrine Compliance System | *Python, FastAPI, LangGraph, React, FAISS*   Sep. 2025 – Dec. 2025

- Scoped and designed RAG-powered system to analyze naval mission logs against doctrine policies, surfacing compliance gaps and actionable recommendations
- Defined user workflows (log upload, event review, insights dashboard) and collaborated on FastAPI + React MVP implementation
- Built for offline, air-gapped deployment with local LLM integration and Docker packaging to ensure operational security

Restaurant Card Selector App | *HTML, CSS, JavaScript, Agile*   Apr. 2025 – Jun. 2025

- Served as product-focused lead for 8-person team, defining scope, success metrics, and feature roadmap
- Prioritized features using user feedback and facilitated Agile sprints, stand-ups, and retrospectives
- Established engineering standards including JSDoc documentation and CI/CD pipeline with automated testing

TECHNICAL & PRODUCT SKILLS

Languages: Python, C++, JavaScript, Java, HTML/CSS
Frameworks: FastAPI, React, LangGraph, Pandas, NumPy, Electron
Tools: Git, GitHub, Docker, FAISS, Spotify API, Google Analytics, Yahoo Finance API
Product: Agile/Scrum, Roadmapping, PRD Writing, Customer Discovery, User Research, Data-Driven Decision Making