

Darian Tan

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EDUCATION

University of California San Diego

Expected Jun. 2026

Pursuing Bachelor of Science in Computer Science; GPA: 3.6

La Jolla, CA

- Coursework: AI: Probabilistic Models, AI: Search and Reasoning, Advanced Data Structures, Design and Analysis of Algorithms, Software Engineering

EXPERIENCE

Sustainable Investment Group, UCSD

Sep. 2024 – Present

Quantitative Analyst

La Jolla, CA

- Applied quantitative models including ARIMA, GARCH, and Rolling Sharpe using Python and Pandas
- Led the quantitative section for stock pitch competition, providing data-driven investment recommendations
- Conducted comprehensive analysis on F1 sponsors for quantitative trading competition using Yahoo Finance API

Video Game Culture Club, Diablo Valley College

Jun. 2022 – Jan. 2023

President

San Ramon, CA

- Led a student organization of 100+ members, organizing weekly meetings and special gaming events
- Managed club budget and secured funding for tournaments through successful proposals
- Increased membership by 30% through campus outreach initiatives

Founder Meet Sales

Aug. 2021 – May 2022

Digital Marketing Intern

Dublin, CA

- Posted on Build-in-Public sites which increased traffic by approximately 20%
- Mentored employees on implementing SEO strategies to boost organic traffic
- Integrated and managed Google Analytics to track website performance metrics and user behavior

PROJECTS

Restaurant Card Selector App | *HTML, CSS, JavaScript, JSDoc, Agile*

Apr. 2025 - Jun. 2025

- Led cross-functional team through full software development lifecycle using Agile sprints and stand-ups
- Established development standards including JSDoc documentation, ADRs, and CI/CD pipeline
- Created intuitive interface through iterative design process using Miro for wireframing and Figma for prototyping

Spotify Overlay App | *HTML, CSS, JavaScript, Spotify API, Electron*

Jul. 2024 – Aug. 2024

- Designed and developed a customizable desktop overlay application that interfaces with the Spotify API
- Implemented expandable user interface components to display song information and playback controls
- Utilized Electron framework to create a cross-platform application compatible with Windows and macOS

TECHNICAL SKILLS

Languages: C++ (Proficient), Python (Proficient), HTML/CSS (Proficient), JavaScript (Proficient), Java (Familiar), Latex (Familiar)

AI Proficiency: Prompt Engineering, Large Language Model Utilization, AI-Assisted Data Analysis, Workflow Automation

Technologies: Electron, Spotify API, Google Analytics, Git, GitHub, Pandas, Yahoo Finance API, JSDoc

Data Analysis: ARIMA, GARCH, Rolling Sharpe, Statistical Modeling, Quantitative Finance

Soft Skills: Cross-functional Team Leadership, Agile Project Management, Stakeholder Communication, Data-Driven Decision Making, User Experience Design, Technical Documentation, Process Optimization

Certificates: Microsoft AI Product Manager, Advanced C++ Programming

Human Languages: English (Native), Bahasa Indonesia (Conversational), Spanish (Basic)