Tyler Darisme

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EDUCATION

De Anza College | Cupertino, CA | Computer Science Major Expected, May 2027
Relevant coursework: Advanced C++ programing, Data abstraction and Structures, Python programing
Clubs: Developer's Guild, Competitive Programming Club
Skills: C++, Solidity, Python, Javascript, AI-Models, Multithreading
Certificate of Achievement Programming in C++, Dec 2024

EXPERIENCE

Serraform Labs | Paid Internship Oct 2022 - July 2023
- Designed and developed a product for a multi-billion dollar crypto project on a 7 person team. The product enables users to rent a m3u8 link with cryptocurrency in order to stream from *Twitch* and *Youtube* into *Decentraland*
- Built the on-chain **Smart Contract** to facilitate user payments using the **USDC token**
- Integrated advanced features (customizable subscription terms, administrative fund oversight, and comprehensive event logging)
- Engineered a smart contract, facilitated 63 transactions, enhanced monetization through practical solutions

International Collegiate Programming Contest (ICPC) | Team lead | Top 20 | CA Feb 2024 & Nov 2024
- Led a 3-person team to successfully solve complex algorithmic problems under tight deadlines, showcasing exceptional problem-solving skills and teamwork.
- Demonstrated proficiency in **C++** and applied algorithmic solutions to real-world scenarios.
- Exhibited an ability to tackle complex challenges within strict time constraints and come to collaborative solutions with a team

PROJECTS

AceDMV — Python, FastAPI, Google Cloud AI (Gemini, TTS) ([more on github](#))
- [Live Demo](#)
- Engineered an AI Tutor to enhance education for CA DMV test-takers.
- Utilized Gemini models for personalized feedback and Google TTS for accessible learning experiences.

Automated Game Bot — Python, **AI Object Detection**, **Multithreading** ([more on github](#))
- Custom detection models & multithreading for real-time decision-making
- Python, Image processing, & automation in a custom complex environment

WordSolver — C++, **Trie** ([more on github](#))
- A command-line application that can find words given a matrix of letters
- Adapted to solve both WordHunt on *Imessage* and Spellcast on *Discord*
- Application of **Data structures** and **Algorithms**

Blackjack On Chain — Solidity ([more on github](#))
- Designed and programmed a smart contract to play blackjack on chain

Uniswap v3 position manager — Solidity, **Javascript**
- Automated a system to manage positions in **Uniswap v3**, optimizing investment returns
- Utilized **OpenZeppelin** to build compliant and secure smart contracts

SUMMARY

Dedicated CS student at De Anza College transferring to UC in Fall 2025: Experience in competitive programming & blockchain development. Experience in **C++**, **Python**, & **Solidity**. Now seeking an internship that allows me to build impactful systems and learn from industry professionals.