

Tyler Darisme

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EDUCATION

De Anza College | Cupertino, CA | Bachelor of Computer Science

Expected, May 2027

Relevant coursework: Data abstraction and Structures, Advanced C++ programing, Python programing

Clubs: Developer's Guild, Competitive Programming

SKILLS & EXPERTISE

• C++
(Certificate)

• Python

• AI-Models

• Teamwork

• Solidity

• Javascript
(Node.js)

• Multithreading

• Self-Learning

What is Solidity?

Solidity is a programming language designed to build applications on the Ethereum blockchain (EVM), through the use of smart contracts

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

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

SimpleIDE — C++

- Streamlined command-line application to enable rapid testing in C++
- Provides an immediate command-line interface for writing and executing code

Wallet image Generator — Python

- Generates wallet key pairs and turns them into images with QR codes
- Researched and implemented python libraries

SUMMARY

Dedicated CS student at De Anza College - expertise in competitive programming & blockchain development. Experience in C++, Python, & Solidity. Seeking software development internships to gain industry knowledge and pursue a career in tech.

