Tyler Darisme

Cupertino CA | Tylerd2474@gmail.com | github.com/a-Fig | (650) 695-2414

EDUCATION

De Anza College | Cupertino, CA | 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	**What is Solidity?** Solidity is a programming language designed to build applications on the Ethereum blockchain (EVM), through the use of smart contracts
• **Solidity**	• Javascript (Node.js)	• Multithreading	• Self-Learning	

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 live streams, 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 programed a smart contract to play blackjack on chain
- Adapted blackjack to the **EVM** using problem solving, and research skills

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

SUMMARY

Passionate CS student at De Anza College with expertise in competitive programming, and blockchain development (**EVM**). Experience in **C++**, **Python**, and **Solidity**. Seeking software development internships to gain industry knowledge and pursue a career in tech.