

# Tyler Darisme

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## EDUCATION

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**De Anza College | Cupertino, CA | Bachelor of Science in Computer Science & Economics** Expected, May 2027

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

**Clubs:** Developer's Guild, Competitive Programming

**Skills:** C++, Solidity, Python, Javascript, AI-Models, Multithreading

## EXPERIENCE

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**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

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**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

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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.