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| **Robert Leggat** | Berkeley, CA  m: 661.877.1456  rleggat@berkeley.edu  [linkedin.com/in/rleggat](http://www.linkedin.com/in/rleggat)  [github.com/robertjleggat](https://github.com/robertjleggat) |  |

**Education**

University of California, Berkeley, Spring 2023 – 3.93 GPA

**Bachelor of Arts (B.A.) in Computer Science**

*Relevant Coursework:* ***CS 61B:*** *Data Structures,* ***Data 8&100****: Foundations, Principles & Techniques of Data Science,* ***CS 61A****: Structure and Interpretation of Computer Programs,* ***EECS 16A&B****: Designing Information Devices and Systems,* ***CS 70:*** *Discrete Mathematics and Probability Theory,* ***Math 53****: Multivariable Calculus*

**Technical Experience**

UpSync Berkeley, Sept 2021 to Dec 2021 - [upsyncberkeley.com](https://www.upsyncberkeley.com/)

**Software Engineering COnsultant**

* Develop an interactive database using React and Amazon Web Services to identify and classify information regarding thousands of upcoming clinical trials for Burning Rock Dx, a leading biotechnology company.
* Use AWS Lambda and MongoDB to clean and store data from National Cancer Institute Clinical Trials Search API.

Chiptip Technology, Dec 2021 to Present – [chiptip.tech](https://chiptip.tech/)

**Software engineering intern**

* Research cryptocurrency mining using Field Programmable Gate Arrays (FPGAs) and NiceHash.
* Analytically compare the economics and profitability of mining various cryptocurrencies.
* Implement the SHA-256 hashing algorithm used for Bitcoin mining in both Python and FPGA.

Mithril Secury, Dec 2021 to Present – [mithrilsecurity.io](https://mithrilsecurity.io/)

**Software Engineering Intern**

* Utilize Open Enclave to develop secure confidential computing environments.
* Study and practice the Rust programming language through complex exercises.

Capital Investments at Berkeley, Sept 2021 to Present - [ciberkeley.com](https://www.ciberkeley.com/)

**Quantitative Analyst, Quantitative trading team**

* Formally present recommendations and models for the management of the club’s $30k investment portfolio.

FinTech at Berkeley, Sept 2021 to Present - [fintechberkeley.com](https://www.fintechberkeley.com/)

**Quantitative analyst, Algorithmic Trading Team**

* Implement quantitative strategies toward the collaborative management of a $10k internal quant fund.

**Projects**

FIRST Robotics Competition, Spring 2021

**Autonomous Robot Navigation**

* Directed a team of five students in designing, developing, and testing a fully autonomous routine for a FIRST Robotics Competition robot through complex paths using physics and trigonometry.

Independent Project, Fall 2020

**Fantasy Football Roster Creation Tool**

* Compiled, organized, analyzed, and cleaned projection data from various platforms (FanDuel, Yahoo, NumberFire) for over 600 players using Pandas data frames to generate optimal lineups under constraints.

**Leadership**

**Eagle scout, senior patrol leader Drum major, section leadeR**

Boy Scouts of America Troop 491 West Ranch High School Marching Band (150+ Members)