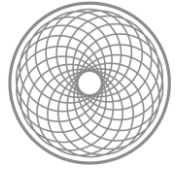


ROBERT LEGGAT

Berkeley, CA
m: 661.877.1456
rleggat@berkeley.edu
linkedin.com/in/rleggat
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

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

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 SECURITY, DEC 2021 TO PRESENT – 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

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

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

BOY SCOUTS OF AMERICA TROOP 491

DRUM MAJOR, SECTION LEADER

WEST RANCH HIGH SCHOOL MARCHING BAND (150+ MEMBERS)