

Andrew Ting

☎ (+1) 917-886-0183 | ✉ andrewting@berkeley.edu | 📱 andrewwting

Education

University of California, Berkeley

B.S. Electrical Engineering and Computer Sciences

Aug 2019 - May 2023

- **GPA: 3.9/4**
- **Relevant Coursework:** Introduction to Machine Learning, Probability for Data Science, Optimization Models in Engineering, Principles & Techniques of Data Science, Efficient Algorithms and Intractable Problems, Discrete Mathematics and Probability Theory, Data Structures, Structure & Interpretation of Computer Programs

Skills

Programming Languages: Python, Javascript/Typescript, Java, Solidity, SQL, C++, C, HTML, CSS

Development Tools: Docker, AWS, NumPy, Pandas, scikit-learn, Flask, Angular, Node.js, React/React Native, Git, Gitlab CI/CD

Work Experience

Uniswap Labs, New York City

Software Engineering Intern 🐙🍷

May 2022 - Aug 2022

- 52 closed PRs, 10,000 lines of code touched (7th highest of all contributors) in 3 months

Palo Alto Networks, Santa Clara

Prisma Cloud SQA Performance Engineer Intern

May 2021 - Aug 2021

- Developed the Locust as a Service load testing framework and web app, a convenient, easy-to-use, centralized tool for API performance testing with 500+ sessions per month to load test Prisma API calls. Boosts productivity by improving test visibility, providing easy session creation, file upload, and comparison features. Saves \$70,000/year
- Created automated data collection script to gather data hourly for use in machine learning models. Saves 2 hrs/run

Flyerstack, Berkeley

Software Engineer Intern

Jan 2021 - Oct 2021

- Student-run Skydeck startup called Flyerstack: "Get notified about happenings tailored to your interests"
- Built mobile app MVP from scratch (300+ downloads). Created internal backend and web portal (saves 4 hrs/wk).

DIEMlife, New York City

Front End Software Engineering Intern

Aug 2020 - Jan 2021

- Worked closely with startup founder and 3 devs to write production-ready code for web and mobile apps (Angular)
- 120 closed PRs: Built Quest Maps feature (1500+ lines of code), saved users 2 secs/visit by optimizing Quest page loading, implemented social login (AAPL, FB, GOOGL), added Instagram profile linking, created Activity Feed page

Projects

TwitterOptionsBot: an intraday trading algo that uses TD Ameritrade API to buy/sell options in response to certain Tweets. Integrates with KeyLevelsBot to automatically buy/sell options in response to price triggers or Discord messages. Doubles as a functional paper-trading platform for options with open & closed trade tracking, account performance metrics. [Demo](#).

Caravan: a secondary marketplace for Uniswap V3 liquidity positions. [Whitepaper](#). Accepted into the Uniswap Grants Program (\$20k grant). Finalist at ETHGlobal's Unicode hackathon winning \$11,000 in prizes. [See Demo](#). Featured in [Medium](#).

UniLend: [See DevPost](#). Won \$3,650 in prizes at CalHacks 8. Later renamed to Caravan.

OversoldBounceBot: a mean reversion algo. Returned 63% during 8 month forward test (11/20 - 7/21, 61% WR, 900 trades).

KeyLevelsBot: a Python Discord bot. Streams price data in real time and alerts when stocks break above/below key levels.

Extracurriculars

Retail Trader and Investor: Apply a quantitative approach using probability theory, trends, price levels, and RSI to profitably trade stocks, options, crypto. Manage a stock trading Twitter (3600+ followers), Discord server (120+ members). 4hrs/day

Blockchain at Berkeley (B@B): Research & Governance Department. Working on the Cosmos IBC project. 6hrs/wk