

# Andrew Ting

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## 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

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

Prisma Cloud SQA Performance Engineer Intern

May 2021 - Aug 2021

- Developed a load testing framework and web app used for all Prisma Cloud API performance testing
- Boosts productivity with improved test visibility, convenient session creation, file upload, and comparison features
- Saves \$70,000/year, runs 500+ sessions/month
- Created automated data collection script to gather data hourly for use in machine learning models. Saves 2 hrs/run

### Flyerstack

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

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. Use 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:** [Whitepaper](#). A secondary marketplace for Uniswap V3 liquidity positions. 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