

# ALAN LI

9201 Paddock Lane, Potomac, MD 20854

☎ 240-390-7251

✉ ahl88@cornell.edu

</> alanli2001.github.io

## EDUCATION

---

### Cornell University

Ithaca, NY

*B.S. Computer Science*

*Aug 2019 - May 2023*

- GPA: 3.6/4.0

**Coursework:** Game Theory, Large Scale Machine Learning, Probability, Statistics, Data Science, Optimization, Evolutionary Algorithms and Games, Intro to Blockchain, Finance for Engineers.

**Activities:** Men's Varsity Swim Team, Big Red Leadership Institute, Poker Association of Cornell

**Skills:** Python, Java, R, SQL, MATLAB, OCaml, C, C++, AMPL, Git, Unix, Javascript, Typescript

## EXPERIENCE

---

### Datadog

New York, NY

*Incoming Software Engineer Intern*

*Jan 2023 - April 2023*

- Incoming software engineer intern.

### Cutler Group

San Francisco, CA

*Quantitative Trading Intern*

*July 2022 - Aug 2022*

- Analyzed extremely hard to borrow stocks to see if Merrill Lynch's borrow rate is predictive of the terminal stock price through time with pandas, NumPy, statsmodels, and MySQL.
- Increased profitability by developing insights into trade quality from markouts data.
- Attended classes consisting of options theory education and mock trading.

### Financial Industry Regulatory Authority (FINRA)

Rockville, MD

*Software Engineering Intern*

*May 2021 - Aug 2021*

- Developed software for the Alfresco Content Services team, which helps store and manage over 30 billion financial documents for FINRA analysts to use while regulating the market.
- Rewrote automation tests with Typescript, Selenium, and Cucumber, allowing the team to migrate to an updated version of the Alfresco Application Development Framework.
- Expanded backend test coverage by over 10% by writing JUnit tests with Java and Mockito.

### University of Maryland, College Park

College Park, MD

*Research Intern*

*Jun 2018 - Jul 2018*

- Developed and ran simulations that modeled interactions between proteins and membranes.
- Built membrane complex models by generating script inputs with CHARMM.

### Montgomery County Public Schools

Gaithersburg, MD

*Teaching Assistant*

*Jun 2017 - Aug 2017*

- Assisted class of 20+ students by tutoring individuals, grading homework, and leading discussion.

## PROJECTS

---

### Battlecode | Java

- Placed 27<sup>th</sup> out of 550+ teams in MIT's 2020 Battlecode competition, which features a turn-based strategy game where virtual robots demonstrate both resource management and combat tactics.

### March Madness Prediction Model | Python, pandas, NumPy, scikit-learn

- Developed a logistic regression model to predict match results in the March Madness tournament.
- Placed in the top 5% in the 2019 Men's NCAA Kaggle competition with 0.46 log loss.

## AWARDS

---

Cornell Trading Competition, 1<sup>st</sup> Place

*2022*

Dean's List

*2019 - Present*

Cornell University Athletics Letter Winner

*2020*