

## EDUCATION

### The University of Chicago

*M.S in Statistics*

GPA: 3.85/4.00

Chicago, IL

June 2025

### The University of Chicago

*B.S in Mathematics*

GPA: 3.85/4.00

Chicago, IL

June 2025

## EXPERIENCE

### Susquehanna International Group

*Quantitative Trading Intern*

Bala Cynwyd, PA

June 2024 – August 2024

- Learned options theory, game theory, and participated in open-outcry mock trading.
- Utilized linear regression and time-series tools to forecast macro event betas on certain trader symbols.

### Amazon

*Software Development Engineer Intern*

Arlington, VA

June 2023 – September 2023

- Designed full stack fintech applications to aid clients with internal transfer pricing using **Java** and **JavaScript**.
- Designed and implemented several **APIs** serving critical business needs. Successfully integrated ICRS data within existing transfer pricing software.
- Wrote robust **unit tests** using **Mockito** and **Junit**.

### University of Chicago Dept. of Statistics

*Grader/Teaching Assistant*

Chicago, IL

March 2023 – Present

- Graded **130+** student homework assignments. Offered constructive feedback and advice in a timely manner.
- Previous classes include Graduate Statistical Inference I-II, Probability Theory, and Real Analysis

### University of South Carolina

*Research Assistant*

Columbia, SC

June 2022 – August 2022

- Focused on problems in computer vision, signal processing, and **millimeter-wave** sensors at an NSF sponsored REU. Successfully identified sleep posture with **~85% accuracy** using commodity mm-Wave devices.
- Wrote **OpenCV**/MATLAB code collecting experiment data, preparing data for training, and implementing algorithms from modern Computer Vision literature.

### BAM.money

*Software Engineering Intern*

New York, NY

March 2022 – June 2022

- Designed and implemented **web-crawlers** collecting open-source financial data and added it to company database.
- Implemented proprietary asset-name and debtor-name similarity algorithms.

## PROJECTS

### Modeling Darts accuracy with Empirical Bayes

- Extended Tibshirani's 2011 paper *A Statistician plays darts* to an Empirical Bayes perspective using G-modeling.
- Utilized Python, NumPy, and Pandas for numerical integration and optimization.
- Paper can be accessed [here](#) and code can be accessed [here](#).

## HONORS & AWARDS

Top 500 – Putnam Exam (Rank 352, Top 5%) | 3x American Invitational Mathematics Exam Qualifier | 17<sup>th</sup> place Carnegie Mellon Mathematics and Informatics Contest | 1<sup>st</sup> place UofSC Math Contest | South Carolina All-State Math Team Captain

## SKILLS

**Programming Languages:** Python, R, Java, DynamoDB

**Libraries:** NumPy, Pandas