

# Mason Liu

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## EDUCATION

**University of Pennsylvania**, College of Arts and Sciences

Philadelphia, PA

*Candidate for Bachelor of Arts*

**Expected May 2028**

Major in Mathematical Economics, Minor in Statistics and Data Science

GPA: 4.00/4.0

- Activities & Societies: Wharton Asia Exchange, Penn Club Swim, Climbing Club

## EXPERIENCE

**The Wharton School, Department of Statistics and Data Science**

Philadelphia, PA

*Teaching Assistant, STAT 4300: Probability*

**August 2025 – Present**

- Host weekly office hours and review sessions for **100+** students.
- Proctor exams and assist instructors with course logistics.

**Penn Department of Earth and Environmental Science**

Philadelphia, PA

*Undergraduate Researcher*

**May 2025 – Present**

- Built automated Python workflows to process **200+ GB** of acoustic data, applying signal processing and statistical methods to detect **4000+** whale calls and extract structured features for analysis.

**Tarsadia Capital**

New York City, NY (Hybrid)

*Consultant Intern*

**May 2025 – August 2025**

- Automated spreadsheet cleaning and Bloomberg data uploads via SFTP using Python.
- Conducted research on 10+ digital shipment container tracking platforms with API keys, cutting tracking costs by over **80%** and writing detailed workflows for API key tracking.

**The Wharton School, Department of Statistics and Data Science**

Philadelphia, PA

*Teaching Assistant, STAT 1120: Introductory Statistics*

**January 2025 – May 2025**

- Graded assignments for **30+** students and hosted weekly office hours.
- Helped students with R coding and introductory statistics concepts as the sole TA.

**Penn Department of Materials Science and Engineering, Li Group**

Philadelphia, PA

*Undergraduate Researcher*

**December 2024 – May 2025**

- Explored bio-inspired ice-based materials using C++ and Avizo software to generate and 3d print plastic molds for freezing, with potential applications in defense and architectural design.

## PROJECTS

**DCF Valuation – Li Auto, Inc. (Point72 Case Competition)**

**October 2025**

- Built a DCF model in Excel with a 5-year revenue forecast and WACC calculation for Li Auto Inc. as part of a long pitch deck.

**Penn Dining Web Scraper**

**September 2025**

- Created an automated scraping and alerting pipeline with Selenium and Apache Airflow to monitor Penn Dining menus.

## SKILLS & INTERESTS

**Technical:** Java, R, MATLAB, Python, MS Office

**Languages:** English (native), German (intermediate), Mandarin (intermediate)

**Interests:** Swimming, classical music, cooking, rock climbing