

Mason Liu

masonliu@sas.upenn.edu | (732) 781-5820 | Philadelphia, PA

EDUCATION

University of Pennsylvania, College of Arts and Sciences	Philadelphia, PA
<i>Candidate for Bachelor of Arts</i>	Expected May 2028
Major in Mathematical Economics, Minor in Statistics and Data Science	GPA: 4.00/4.0
<ul style="list-style-type: none">Activities & Societies: Wharton Asia Exchange, Penn Club Swim, Climbing Club	

EXPERIENCE

The Wharton School, Department of Statistics and Data Science	Philadelphia, PA
<i>Teaching Assistant, STAT 4300: Probability</i>	August 2025 – Present
<ul style="list-style-type: none">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
<i>Undergraduate Researcher</i>	May 2025 – Present
<ul style="list-style-type: none">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)
<i>Consultant Intern</i>	May 2025 – August 2025
<ul style="list-style-type: none">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
<i>Teaching Assistant, STAT 1120: Introductory Statistics</i>	January 2025 – May 2025
<ul style="list-style-type: none">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
<i>Undergraduate Researcher</i>	December 2024 – May 2025
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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