

Andrew Mao

andrew_s_mao@yahoo.com • (469) 247-8932 • www.linkedin.com/in/andrewmao1

EDUCATION

The University of Texas at Austin	Bachelor of Science, Mathematics	May 2025
	Bachelor of Business Administration, Finance and Honors	
	Minors: Business Analytics and Economics	
	Certificates: Applied Statistical Modeling and Pre-Health Professions	
	Overall GPA: 3.98	

Relevant Coursework: Linear Algebra, Probability, Theory of Interest, Financial Mathematics, Data Science for Business, Decision Science, Stochastic Processes, Investment Management, Programming for Data Analytics, Time Series Forecasting

WORK EXPERIENCE

Optiver - *Quantitative Trader Intern*; Chicago, IL June 2024 - August 2024

- Scored above average on two options theory exams covering Greeks, volatility, skew, exercise, and proprietary models
- Trade (sim) equity options across multiple strikes and expiries by market making, positioning, order flow trading, and limiting risk
- Parse data and run simulations in Python, uncovering trends and theoretical values for Wimbledon betting and other projects

Willis Towers Watson - *Retirement Actuarial Intern*; Houston, TX May 2023 - August 2023

- Constructed million-dollar fixed-income portfolios to hedge pension liabilities, using quantitative models and Excel Solver
- Prepared and delivered client PowerPoint presentations and communications on accounting, disclosure, and funding
- Analyzed corporate restructuring and capital enhancement initiatives (demutualization, securitization, and M&A)

Pearl Street Co-op - *Treasurer and Meeting Chair*; Austin, TX August 2021 - August 2022

- Oversaw \$400K annual budget for 100+ people by allocating revenues and disbursing expenses from several accounts
- Presented financial insights and recommendations via oral and written reports at house, officer, and committee meetings
- Presided over 48 weekly house meetings—facilitating discussion, enforcing rules, tracking attendance, and writing meeting minutes

LEADERSHIP EXPERIENCE AND ACTIVITIES

Reading Impactful Student Entrepreneurs (RISE) Spring 2022 - Spring 2025

President (Fall 2024 - Spring 2025)

- Represent RISE when attending events, negotiating with UT Austin, partnering with organizations, and recruiting
- Supervise officers by delegating tasks, evaluating performance, holding weekly meetings, and filling in when needed
- Ensure compliance with university and department rules, state tax exemptions, school district policies, and RISE constitution

Vice President (Fall 2023 - Spring 2024)

- Build relationships with entrepreneurs, student groups, school districts, and colleges, thereby expanding outreach
- Nurture organizational culture by resolving conflicts, planning events, and soliciting feedback from mentors and mentees

Finance Director (Fall 2022 - Spring 2023)

- Managed \$1K semesterly budget in Excel, coordinated spending with officers, and forecast revenues and expenses
- Raised funds by applying for grants, collecting dues, profit sharing with restaurants, and selling merchandise

Mentor (Spring 2022 - Spring 2025)

- Guide underprivileged high schoolers one-on-one in writing college applications and developing business pitches
- Create and deliver PowerPoint presentations about entrepreneurship, financial literacy, and professional development

Sanger Learning Center - *Supplemental Instruction (SI) Leader* Fall 2024 - Spring 2025

- Organize two SI sessions per week for financial accounting, using collaborative techniques to foster self-directed learning
- Create and submit weekly SI session lesson materials and plans; review feedback from supervisor to make necessary changes
- Communicate regularly with faculty, coordinators, and students so that sessions are well attended and align with SI goals

Department of Biology - *Undergraduate Course Assistant* Fall 2023 - Spring 2024

- Led weekly office hours for upper-division biochemistry, answering logistical and conceptual questions from 50 students
- Wrote problem-solving guides, derived formulas, taught effective study habits, proctored exams, and graded assignments

HONORS

- University Honors (6 semesters + summer session) Fall 2021 - Spring 2024
- Rudd and Wisdom Actuarial Studies Scholarship Spring 2023

ADDITIONAL INFORMATION

Computer Skills: Python (Random, Pandas, NumPy), R (Tidyverse, Regression, Time Series), Excel (Solver), PowerPoint, Word

Actuarial Exams: SOA Financial Mathematics (October 2022): 9/10, SOA Probability (November 2022): 9/10

Interests: Chess, Copy Editing, French, Game Theory, Health Care, Optimization, Poker, Singing

Work Eligibility: Eligible to work in the U.S. with no restrictions