Andrew L. Gordon

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EDUCATION

University of Michigan   Ann Arbor, MI
PhD in Mathematics   June 2024

Harvard University   Cambridge, MA
B.A., Magna Cum Laude with concentration in Mathematics   May 2018

EXPERIENCE

Susquehanna International Group, LLP   Bala Cynwyd, PA
Quantitative Research Intern   June 2023-August 2023
- Engineered features for tree based machine learning models to predict order flow
- Designed low latency trading strategies based on those models to identify windows for profitable trades
- Backtested and iterated on trading strategies to perform in a simulated market competition

University of Michigan   Ann Arbor, MI
Graduate Student Instructor   August 2018--Present
- Lecturer and grader for Multivariate Calculus, Calculus, Precalculus (Math 215, 115, and 105)
- Crafted daily lesson plans including lectures, example problems, and quizzes, based on learning objectives and curricula taking into consideration the difficulty of each topic
- Offered personalized tutoring and exam preparation for students at office hours for 3 to 4 hours a week

Harvard University   Cambridge, MA
Graduate Teaching Fellow   August 2020-May 2021
- Lecturer and grader for Calculus (Math 1b)
- Taught 30 students in a virtual set up and designed instructional material for e-learning environments

Undergraduate Course Assistant   August 2016-May 2018
- Teaching assistant for both Honors Algebra and Analysis (Math 55) and Number Fields (Math 129), two upper-level undergraduate mathematics courses
- Graded homework sets and held recitation consisting of course review and surveying related topics
- Awarded Certificate of Distinction in Teaching by the Bok Center for Teaching and Learning

Chicago Mercantile Exchange Group Inc.   Chicago, IL
Data Science Intern   May 2015 – August 2015
- Developed machine learning techniques for fraud detection
- Configured Amazon Web Services for cloud computing using Apache Spark

ADDITIONAL

Programming Skills: Proficient in Python; familiarity with C, Java, and Linux operating systems
Public Speaking: Regular speaker in academic mathematics seminars. Previous talk subjects include Error Correcting Codes and Fermat's Last Theorem

Volunteering: Mentor for University of Michigan's Directed Reading Program where I tutored advanced undergraduates in graduate level mathematics topics

Interests: Bicycling and Bike-Packing (Ask me about my cross country trip!), Crosswords, Films