

Summary

Mathematician, data analyst, and AI researcher with a strong focus on interpretability, efficiency, and exposition. Experienced in designing and implementing machine learning models, analyzing data, and communicating complex ideas clearly. Background spans academic research, AI instruction, and hands-on problem-solving in retail analytics. Passionate about making AI systems more transparent and accessible through both research and teaching.

Education

AB	Harvard University , Mathematics (GPA: 3.9/4.0) <ul style="list-style-type: none">• Coursework: Homotopy theory, algebraic geometry, set theory, real analysis	Sept 2016 - May 2020
MM	Peabody Institute of Johns Hopkins University , Orchestral Conducting (GPA: 4.0/4.0)	Sept 2020 - May 2022

Experience

Eureka! Puzzles and Games , Data Analyst and Game Master <ul style="list-style-type: none">• Manages analytics for• Teaches and leads board games and puzzles at events	Brookline, MA Feb 2023 - Present
Inspirit AI , Instructor <ul style="list-style-type: none">• Teaches intensive introductions to AI for talented high school students	Online Aug 2024 – present
Orchestra Book Club , Founder and Music Director <ul style="list-style-type: none">• Conductor of a 60-person orchestra in the Boston area.• Lead a team of 4 staff to raise \$15,000 through 3 sold-out concerts.	Boston, MA Aug 2022 - Present
University of Connecticut , Interim Orchestra Director <ul style="list-style-type: none">• Developed and taught orchestral performance to a class of 50 undergraduate students.• Conducted 6 full concerts throughout the academic year, with in-depth pre-concert talks.	Storrs, CT Aug 2023 - May 2024
Varsity Tutors , Tutor <ul style="list-style-type: none">• Tutored ACT and SAT test prep, AP Calculus BC, college Calculus 3 and college Linear Algebra	Online April 2022 - March 2023
Harvard University , Course Assistant <ul style="list-style-type: none">• Student taught 3 upper-level undergraduate and graduate math classes.• Led discussion sections, gave lectures, and provided one-on-one tutoring in abstract algebra and algebraic geometry.	Cambridge, MA Sept 2017 - May 2019

Projects

Early Exiting in Continuous Chain-of-Thought (first author; joint with Belinda Li) <ul style="list-style-type: none">• Exploring the use of structured layer pruning combined with continuous chain of thought to improve finetuning- and test-time efficiency of LMs.	reubenconducts/ee-coconut 🔗
Shopify Captions and SEO <ul style="list-style-type: none">• Created a tool to add alt text and search engine optimization to Shopify products for businesses.	reubenconducts/shopify-captioning 🔗

Publications

A Universal Property of Noncommutative Motives and Secondary Algebraic K-Theory Aaron Mazel-Gee, Reuben Stern (equal contribution) Annals of K-Theory Vol. 9, No. 2 🔗	Aug 2024
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Skills

Languages: Python, SQL, \LaTeX
Frameworks and Tools: PyTorch, Tensorflow, NumPy, SciPy, Pandas, HuggingFace
Other Skills: Data Analysis, Algorithm Design, Leadership, Strategic Thinking, Exposition, Teaching