

Ryder Xue

Pittsburgh, PA | Shanghai, China | (412) 616-6999 | ryderx@andrew.cmu.edu | [linkedin.com/in/ryder-xue/](https://www.linkedin.com/in/ryder-xue/)

EDUCATION

Carnegie Mellon University

Bachelor of Science in Business Administration; Additional Major in Statistics and Data Science

Pittsburgh, PA

Aug 2025 – Present

- QPA: 4.0. Relevant Coursework: Regression Analysis, Multivariate Analysis, Business Science, Fundamentals of Programming and Computer Science, Introduction to Accounting, Finance, Marketing I, Principles of Microeconomics, Principles of Macroeconomics, Matrices and Linear Algebra, Introduction to Probability Theory.

Shanghai American School

High School Diploma

Shanghai, China

Aug 2021 – Jun 2025

- APs: Macroeconomics, Microeconomics, Physics 1, Capstone Seminar, English Language, Calculus AB/BC, Psychology, US History, Statistics.
- GPA: 3.88/4.00 (unweighted). Honors: Magna Cum Laude, AP Scholar with Highest Distinction; Tri-M Music Honor Society.

EXPERIENCE

Carnegie Mellon University

Teaching Assistant, 15-112 Fundamentals of Programming and Computer Science

Pittsburgh, PA

Aug 2026 – Present

- Leading weekly recitations, office hours, grading sessions, vibecoding labs, and quiz proctoring (~15 hrs/week) for CMU's largest introductory programming course; Guide students through recursion, object-oriented design, and algorithmic problem-solving.
- Spearheading and refining AI grading pipeline (Prompt engineering, test set construction, TA review); Developing new syllabus content and practice problems; Coordinating with fellow TAs to standardize grading rubrics and student feedback.

ByteDance

UGC AI Strategy Intern

Beijing, China

May 2026 – Aug 2026

- Designed and ran a randomized between-subjects survey experiment (n=133, 3 arms) measuring how the density of useful comments (1/3/5 of the top 10) drives user-perceived value of a social media comment section; owned hypothesis, instrument, sampling, and statistical analysis, replacing intuition-based assumptions in the human review recall mechanism with tested density parameters.
- Authored and iterated UGC content-value classification standards used across review and modeling teams, including new criteria for verticals with no historical labeled data; raised LLM annotation agent precision and recall through prompt engineering and auditing; automated a recurring data-gathering task into a scheduled agent job.
- Diagnosed precision/recall gaps in SQL by segmenting over- and under-recalled content types, then traced each failure to its root cause: policy gaps, human-verification error, or misleading OCR/ASR signals.
- Audited video-category mappings during a migration from an eight-level search taxonomy to a three-tier hierarchy, applying incompatible and over-broad criteria and surfacing recurring edge cases to the taxonomy owners.

Nutrition Alligators

Co-Founder & Marketing Manager

Chongqing, China (Hybrid)

Nov 2023 – Nov 2025

- Co-founded a company that operates in the Chinese supplement industry, specializing in Acai-related products such as Acai powder and Acai concentrate puree. Supervised 30+ factory and lab visits for product validation (audits, QA documentation, credibility).
- Built and refined go-to-market SKU/pricing strategy; Managed and analyzed paid social and livestream marketing (500+ live streams) on Douyin; Outsourced content creation and media buying; Co-directed operations across a 16-person team (supply chain, live streams, finances).

Stripe, Inc.

Product & Operations Intern

Remote

Jul 2024 – Aug 2024

- Researched API gateway design, tokenization flows, and monetization strategies for payments, and gained exposure to the FinTech industry, global payments infrastructure, and cybersecurity technology.
- Collaborated with a team of 4 to deliver competitive and benchmarking analysis on Stripe's Radar feature to Stripe executives.

LEADERSHIP

Jazz Band, Shanghai American School

Vice President & Lead Drummer

Shanghai, China

Aug 2021 – Jun 2025

- Led rehearsals, curated arrangements, and performed at 20+ school/community events annually; Ran stage management and sound checks.
- Mentored ~15 new members per year, improving ensemble readiness and retention; Orchestrated jazz jam sessions ~6 times a year.

Financial Literacy Month, Shanghai American School

Founder and Organizer

Shanghai, China

Apr 2023 – Apr 2025

- Designed personal finance workshops for 80+ elementary students, such as presentations, interactive activities, and quizzes.
- Collaborated with school library, used Business Club funds to donate 40 books annually, and promoted them on library bookshelves.

AWARDS, SKILLS, AND INTERESTS

- FBLA China Nationals: Website Design 1st (Summa Cum Laude); Entrepreneurship Top 10 (Magna Cum Laude).
- International Economics Olympiad (Nationals): Cum Laude; Team Bronze (Top 18%).
- John Locke Institute Essay Competition 2025 (Economics): Commendation (Top 16%).
- Marketing: Digital media marketing; CPM/ROI management; livestream e-commerce (TikTok); Adobe Premiere Pro; Adobe After Effects.
- Analytics/Tools: Excel, R and rStudio, Python (numpy, matplotlib, pandas), SQL and PostgreSQL, Claude Code, Codex, TRAE, Cursor.
- Languages: English (Native); Mandarin (Native).