

Catherine Wu

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EDUCATION

Columbia University 2022 - 2023 expected
M.A. Economics, GPA: 3.97; Courses: Real Analysis, Econometrics, Microeconomics, Macroeconomics

Harvard University 2014 - 2018
B.A. GPA: 3.85/4.00; Applied Math-Neuroscience, minor in Mind, Brain, Behavior (MBB); Courses: Signal Processing, Machine Learning, Data Analysis, Science of Behavioral Change, Negotiation

EXPERIENCE

Columbia Economics, Research Assistant Jan 2023 - Sep 2023

- Investigated the effectiveness of RGGI on emission reductions and long-term technology investments, designing a novel way to measure investments using the marginal abatement cost curve
- Reviewed literature on the design and efficiency of carbon markets, presented key findings weekly

Shopify, Data Platform, Product Manager Apr 2020 - Jun 2022

- Built strategy to increase data-informed decision-making across the company. Prioritized roadmap based on strategy, user feedback and quick wins. Created north star metrics and built KPI dashboards
- Increased active users on company's main data dashboard by 30% by identifying key use cases and blockers
- Developed and analyzed a survey on data usage, identified issues with trust and understanding among non-technical users, used by senior stakeholders to develop strategy
- Championed a pilot to analyze adoption of two open-source data tools, recruited beta testers and analyzed use cases, worked with engineers to investigate maintenance requirements, developed acceptance criteria

Mastercard, Data & Services, Technical Product Manager Aug 2018 - Apr 2020

- Built new diagnostic tool that sped up model iteration process significantly, coordinated with other engineering teams to adapt existing analytical techniques while maintaining consistency of results
- Mentored 3 new associate PMs on projects from research to execution
- Managed the roadmap of a forecast-building SaaS, wrote requirements and designed mockups for new features, began feature usage tracking for the product to identify use cases and user needs

Harvard Association for US-China Relations, President Aug 2014 - Aug 2017

- Led a 501c3 non-profit that organized 3 conferences promoting liberal arts and social impact in Chinese high school students; shaped executive board leadership and professional development
- Directed a 400-student program with a \$700,000 budget in China to foster leadership and entrepreneurship, led a team of Chinese and American staff, managed internal conflicts

TEACHING

Columbia SIPA and Harvard SEAS, Teaching Assistant Jan 2015 - May 2017, June - Aug 2023

- Held office hours and review sessions and graded problem sets for courses including International Open Macroeconomy, Networks, Multivariable Calculus and Linear Algebra

Summer Program for Applied Rationality and Cognition (SPARC), Instructor Aug 2016 - Aug 2021

- Designed admissions to select top 10% of students based on analytical, technical abilities from 300+ applicants
- Led seminars in cognitive biases, negotiation and applying quantitative thinking to real world issues

Bureau of Study Counsel, Award Peer Tutor Aug 2014 - May 2018

- Tutored intro math and biology classes, met weekly to discuss and improve effective tutoring strategies
- Gained experience in reviewing and reframing class material in a manner tailored to the individual

USA Biology Olympiad (USABO), Teaching Assistant Jun 2016, Jun 2017, Jun 2018

- Trained the top 20 high school biology students and taught critical thinking in biology research and analysis
- Wrote practical exams to test data analysis skills and experimental laboratory techniques

SKILLS and INTERESTS

Programming – Proficient in Python, Javascript, React, HTML/CSS, basic in Matlab, Stata; **Languages** – Mandarin (heritage), French (5 years), Japanese (2 years); **Interests** – books, puzzle hunts, bouldering