

Angel Tsai-Hsuan Chung

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EDUCATION

Wharton School, University of Pennsylvania

PhD in Operations, Information, and Decisions

Philadelphia, PA

Aug. 2022 – May 2027 (Expected)

- Penn AI Fellow
- Associate Fellow, Leonard Davis Institute of Health Economics (Penn LDI)
- Dissertation Committee: Hamsa Bastani (Advisor), Serguei Netessine (Chair), and Sergei Savin

Graduate School of Education, University of Pennsylvania

*Dual Masters in Statistics, Measurement, Assessment, and Research Technology
& International Educational Development*

Philadelphia, PA

Aug. 2019 – May 2021

National Chengchi University

Dual Bachelor's in Economics & Sociology (with honors)

Taipei

Sep. 2014 – Jun. 2019

University of California, Berkeley

Visiting Student (Fully funded by Government's Study Abroad Program for Future Scholars)

Berkeley, CA

Aug. 2017 – May 2018

RESEARCH INTEREST

AI & machine learning for healthcare and education, Human-AI collaboration, public sector operations

JOURNAL PUBLICATION

Chung, A. T.-H., Abdulai, J., Bayoh, P., Sandi, L., Smart, F., Bastani*, H., & Bastani*, O. [Improving Access to Essential Medicines with Decision-Aware Machine Learning](#). *Nature (Research Article)* 653, pp 1178–1183 (2026). *denote equal last author.

WORKING PAPERS

Chung, A. T.-H., Zhang, B., Kung, L.-C., Bastani*, H., Bastani*, O. [Effective Personalized AI Tutors via LLM-Guided Reinforcement Learning](#).
Available at SSRN *denote equal last author.

Chung, A. T.-H., Qin, J., Lin, P.-C., Bastani, H. The Impact of Human-AI Collaboration in Outpatient Care: Evidence from Somaliland.
Draft available on request.

Bastani, H., **Chung, A. T.-H.**, Jeon, H., Yadav, P. (alphabetical). Grand Challenges for Operations Management: UN Sustainable Development Goal 3: Good Health and Well-Being.
Minor Revision, Manufacturing & Service Operations Management.

Bastani, H., Bastani, O., **Chung, A. T.-H.** (alphabetical). Incentive-Compatible Human-AI Collaboration via Adversarial Tasks.
Draft under preparation.

REFEREED CONFERENCE PAPERS

Chung, A. T.-H., Rostami, V., Bastani, H., & Bastani, O. (2022). [Decision-Aware Learning for Optimizing Health Supply Chains](#). *Machine Learning for Health (ML4H)*.

Chung, A. T.-H. (2019). The Legitimacy of Nonprofit Marketization: Changes and Conflicting Institutional Logics. *Association for Research on Nonprofit Organizations and Voluntary Action (ARNOVA) Asia Conference: Transdisciplinary Forum of Junior Scholars.*

BOOK CHAPTER

Bastani, H., Bastani, O., & **Chung, A. T.-H.** (alphabetical) (2024). [Optimizing Health Supply Chains in LMICs with Machine Learning: A Case Study in Sierra Leone](#). In C. S. Tang (Ed.), *Responsible and Sustainable Operations: The New Frontier* (pp. 187–202). Springer Nature Switzerland.

INVITED PAPER

Chung, A. T.-H. (2025). [Application of AI in Healthcare Management in Developing Countries \(in Chinese\)](#). *Development Focus Quarterly*, Issue 20.

WORK IN PROGRESS

Chung, A. T.-H., Bastani, H., and Lin, P.-C. Human–AI Agentic Networks for Community Health in Somaliland. (Data collection in progress)

Chung, A. T.-H., Harari, M., Wong, M. (alphabetical) AI for Poverty Targeting. (Data analysis in progress)

HONORS & AWARDS

Teaching Award

- Winner, Penn Prize for Excellence in Graduate Teaching Award 2021
- University-wide Penn Prize recognizing exceptional teaching by graduate TAs, with only 10 awards made annually across Penn’s 12 schools. [Read student nomination feedback](#).

Research Award and Scholarship

- Winner, 2026 Business for a Better World Dissertation Proposal Competition 2026
- One of three winning proposals selected in a competition spanning all business disciplines for its potential to benefit society, advance knowledge, and serve multiple stakeholders (endorsed by RRBM).
- Finalist (Winner TBD), INFORMS MIF Best Paper Competition 2026
 - Penn AI Fellowship 2026
- University-wide selection of 30 emerging AI researchers (graduate students and postdocs), with support for research, mentoring, and collaboration.
- 1st Place, Service Science Best Student Paper Award 2025
 - 2nd Place, Pierskalla Award for Best Paper in Healthcare 2025
 - Finalist, Bonder Scholarship 2025
 - Runner-Up, Best Paper Presentation at Early-Career Sustainable Operations Management Workshop 2025
 - 1st Place, INFORMS Public Sector Operations Research Best Paper Award 2024
 - Finalist, MSOM Student Paper Competition 2024
 - 2nd Place, INFORMS Doing Good with Good OR Student Paper Competition 2024
 - Global Scholar, Government Scholarship to Study Abroad, Ministry of Education 2022–2024
 - Penn Graduate School of Education Merit Scholarship 2019

TEACHING

University of Pennsylvania

BEPP - Business Economics and Public Policy

- BEPP 2800 (UG) Applied Data Analysis Fall 2026
TA for Professor Yisroel Cahn

OIDD - Operations, Information and Decisions Department

- OIDD 6130 (MBA) Online Business Models and the Information-Based Firm Spring 2026
TA for Professor Daniel Rock
- OIDD 1010 (UG) Introduction to OID
TA for Professors Gérard Cachon & Sergei Savin Fall 2025
TA for Professors Gérard Cachon & Alp Sungu Fall 2024
- OIDD 321 (UG) Introduction to Management Science Spring 2024
TA for Professor Hamsa Bastani

EDUC - Graduate School of Education

- EDUC 501 (Grad-level) Economics of Education in Developing Countries Spring 2021
TA for Professor Amrit Thapa
- EDUC 738 (Grad-level) Advanced Topics in Monitoring & Evaluation in IED Spring 2021
TA for Professor Amrit Thapa
- EDUC 638 (Grad-level) Principles of Monitoring & Evaluation in IED Fall 2020
TA and Lab Instructor for Professor Amrit Thapa
Received 2021 Penn Prize for Excellence in Graduate Teaching Award

RESEARCH GRANTS

Penn AI Fellowship	2026
Penn Global Holman Africa Research & Engagement Fund	2025
Mack Institute Research Fellowship	2023, 2024, 2025
Wharton AI & Analytics Initiative Research Grant	2024, 2025
Wharton Global Initiatives Research Grant	2024
Tanoto ASEAN Initiative Research Grant	2024
George James Travel Award	2024, 2025
Analytics at Wharton Research Grant	2023

INVITED TALKS & GUEST LECTURES

Invited Researcher, OpenAI Learning Lab @ San Francisco, CA	2026
Winner Presentation, B4BW Research Symposium @ Fort Collins, CO	2026
Speaker, Operations Rookiepaloza @ Kellogg	2026
Guest Speaker, EdTech Insider	2026
Speaker, UPenn Data Driven Discovery Initiative	2026

Guest Lecture, Georgia Tech CSE 8803: AI for Social Good	2025
Speaker, Development Focus Forum — Smart Healthcare and International Cooperation	2025
Guest Lecture, National Chiayi University	2024
Seminar Speaker, National Taiwan University	2024
Panelist, UPenn Undergraduate Women in AI	2024
Seminar Speaker, Rochester Institute of Technology (RIT) Graduate Seminar	2024

CONFERENCE PRESENTATIONS

2026 Workshop on Empirical Operations Management (WEOM); IMSI Advances in Quantitative Medical Care @UChicago; NYC Operations Day (Student Day); POMS; Marketplace Innovation Workshop (MIW); Econometric Society (ESIF) Conference on Econ and AI+ML; MSOM; INFORMS Healthcare; AOM; AI in Social Science @UChicago (Scheduled); Advances with Field Experiments Conf @UChicago (Scheduled); INFORMS (Scheduled)

2025 Early-Career Sustainable Operations Management Workshop; Humanitarian OPERations (HOPE) Workshop; INFORMS

2024 INFORMS; Comparative and International Education Society (CIES); Workshop on AI & Analytics for Social Good; Marketplace Innovation Workshop (MIW); MSOM Healthcare SIG; Purdue Operations Conference; 2nd Philadelphia Operations and Technology Day

2023 INFORMS; Symposium on Artificial Intelligence for Learning Health Systems (SAIL)

2022 INFORMS; Machine Learning for Health (ML4H)

SERVICE

Competition Co-Chair 2025 INFORMS Public Sector Operations Best Paper Competition

Judge 2026 INFORMS BOM Best Working Paper Competition

Session Chair POMS (2026); INFORMS Healthcare (AI in Healthcare) (2026); INFORMS (2023-2025)

Organizer Wharton OID PhD Student Seminar (2024-2025)

Reviewer M&SOM, Wharton Innovation Doctoral Symposium (WINDS)

Board Member Wharton Doctoral Council (2024-25); Wharton Society for the Advancement of Women in Business Academia (2025)

MENTORSHIP

Mentor, Penn Graduate School of Education Mentorship Program	2026
Mentor, UPenn CIS DATS5990 Data Science Thesis/Practicum	2025 Spring
Mentor, Project TYRA Young Researcher Association	2025
Mentor, Wharton PhD Peer Program	2024 & 2025
Mentor, Wharton DEI Program	2024
Mentor, Summer Undergraduate Mentored Research Program (SUMR)	2024

PROFESSIONAL EXPERIENCES

- Research Assistant, Asian Development Bank (ADB) Jan. – June 2021
– EdTech Sector at Sustainable Development & Climate Change Department
- Research Assistant, Academia Sinica Dec. 2018 – Aug. 2019
– Assisted spatial and statistical analysis for the largest national social and cultural survey of rural development
- Legislative Assistant, Taiwan Parliament June – Sep. 2018 & Mar. – May 2019
– Supported legislator-at-large on the Finance Committee; led the Social Innovation Congress; and shaped the Social Enterprise Development Act

OTHERS

Softwares: Python, R, STATA, SAS, SPSS, ArcGIS, GeoDa
Language: Mandarin Chinese-Native, English-Proficient
Interests: Trumpet player (classical), baseball, table tennis, badminton