

Angel Tsai-Hsuan Chung

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EDUCATION

Wharton School, University of Pennsylvania

PhD in Operations, Information, and Decisions

Associate Fellow, Leonard Davis Institute of Health Economics (Penn LDI)

Philadelphia, PA

Aug. 2022 – Present

University of Pennsylvania

Dual Masters in Statistics, Measurement, Assessment, and Research Technology

& in International Educational Development

Philadelphia, PA

Aug. 2019 – May 2021

National Chengchi University

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

Taipei

Sep. 2014 – June 2019

University of California, Berkeley

Visiting Student (Fully funded by 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

WORKING PAPERS

Chung, Angel T.-H., Abdulai, J., Bayoh, P., Sandi, L., Smart, F., Bastani*, H., & Bastani*, O. (2024). Improving Access to Essential Medicines in Sierra Leone with Decision-Aware Machine Learning. *Under Revision, Available at SSRN*. *equal corresponding authors

WORK IN PROGRESS

Bastani, H., Bastani, O., **Chung, Angel T.-H.**. Incentive-Compatible Human-AI Collaboration via Adversarial Tasks.

Chung, Angel T.-H., Bastani, H., Bastani, O., Kung, L-C. Enabling Personalized Learning in Large Language Models via Reinforcement Learning.

REFEREED CONFERENCE PAPERS

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

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

TEACHING

University of Pennsylvania

OIDD - Operations, Information and Decisions Department

- OIDD 101 Introduction to OID (Undergraduate)
TA for Professors Gérard Cachon & Sergei Savin Fall 2025
TA for Professors Gérard Cachon & Alp Sungu Fall 2024
- OIDD 321 Introduction to Management Science (Undergraduate) Spring 2024
TA for Professor Hamsa Bastani

EDUC - Graduate School of Education

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

HONORS & AWARD

Finalist, Service Science Best Student Paper Award	2025
Finalist, 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 - Present
Winner, Penn Prize for Excellence in Graduate Teaching Award	2021
Penn Graduate School of Education Merit Scholarship	2019

RESEARCH GRANTS

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

CONFERENCES & INVITED TALKS

2025 Early-Career Sustainable Operations Management Workshop; Georgia Tech CSE 8803 AI for Social Good; Development Focus Forum — Smart Healthcare and International Cooperation; Humanitarian OPERations (HOPE) Workshop (Scheduled); INFORMS (Scheduled)

2024 INFORMS; Comparative and International Education Society (CIES); Workshop on AI & Analytics for Social Good; Marketplace Innovation Workshop (MIW); National Chiayi University; MSOM Healthcare SIG; National Taiwan University; Purdue Operations Conference; 2nd Philadelphia Operations and Technology Day; UPenn Undergraduate Women in AI; Rochester Institute of Technology (RIT) Graduate Seminar

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

2022 INFORMS; Machine Learning for Health (ML4H)

SERVICE

Co-Chair, INFORMS Public Sector Operations Best Paper Competition	2025
JOM's Emerging-Scholar Ambassadorial Core	2025
Co-Chair, INFORMS Session	2023, 2024, 2025
Board Member, Wharton Society for the Advancement of Women in Business Academia	2025-
Organizer, Wharton OI&D PhD Student Seminar	2024-2025
Board Member, Wharton Doctoral Council	2024-2025
Reviewer, Wharton Innovation Doctoral Symposium (WINDS)	2023

MENTORSHIP

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 EXPERIENCE

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