

# Angel Tsai-Hsuan Chung

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## EDUCATION

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### 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

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

## WORKING PAPERS

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**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. *Available at SSRN*. \*denote equal senior authorship

## REFEREED CONFERENCE PAPERS

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**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

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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.

## TEACHING

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### University of Pennsylvania

*OIDD - Operations, Information and Decisions Department*

- OIDD 101 Introduction to OIDD (Undergraduate) Fall 2024  
TA for Professors Gérard Cachon & Alp Sungu
- 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

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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

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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

## INVITED TALKS

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- 2025** Early-Career Sustainable Operations Management Workshop, Georgia Tech CSE 8803 AI for Social Good
- 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

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Co-Chair, INFORMS Public Sector Operations Best Paper Competition	2025
Co-Chair, INFORMS Session	2023, 2024, 2025
Organizer, Wharton OID PhD Student Seminar	2024-2025
Board Member, Wharton Doctoral Council	2024-2025
Reviewer, Wharton Innovation Doctoral Symposium (WINDS)	2023

## MENTORSHIP

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UPenn CIS DATS5990 Data Science Thesis/Practicum Mentor	Spring 2025
Wharton DEI Program Mentor	Fall 2024
Summer Undergraduate Mentored Research Program (SUMR) Mentor	Summer 2024

## PROFESSIONAL EXPERIENCE

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Research Assistant, Asian Development Bank	Jan. – June 2021
Research Assistant, National Academy of Taiwan	Dec 2018 – Aug. 2019
Legislative Assistant, Taiwan Parliament	June – Sep. 2018 & Mar. – May 2019

## OTHERS

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**Softwares:** Python, R, STATA, SAS, SPSS, ArcGIS, GeoDa

**Language:** Mandarin Chinese-Native, English-Proficient

**Interests:** Trumpet player (classical), baseball, table tennis, badminton