

Kai Hao Yang

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Academic Appointments

2021 - Assistant Professor, School of Management, Yale University
2020 - 2021 Postdoctoral Associate, Cowles Foundation, Yale University

Research Fields

Microeconomic theory, mechanism design, information design, industrial organization, political economy

Education

2014 - 2020 University of Chicago, PhD in Economics
2008 - 2012 National Taiwan University, BA in Political Science, *summa cum laude*

Research Papers

Publications

- “Selling Consumer Data for Profit: Optimal Market-Segmentation Design and its Consequences”, *American Economic Review*, 2022
- “Efficient Demands in a Multi-Product Monopoly”, *Journal of Economic Theory*, 2021

Working Papers

- “Distributions of Posterior Quantiles and Economic Applications” (July 2022, with Alex Zentefis)
- “Informational Intermediary, Market Feedback, and Welfare Losses” (July 2022, with Wenji Xu)
- “Efficient Market Structures under Incomplete Information” (February 2022, with Alex Zentefis)
- “Equivalence in Business Models for Informational Intermediaries” (November 2019)
- “Informationally Robust Welfare Predictions Under Second-Degree Price Discrimination” (July 2019)
- “Information, Bargaining Power and Efficiency: Re-examining the Role of Incomplete Information in Crisis Bargaining” (April 2017)
- “Effectiveness of Counter-proliferation Measures and their Impacts on Security” (April 2017)

Short Notes

- “A Note on Topological Properties of Outcomes in a Monopoly Market” (October 2020)
- “A Note on Generating Arbitrary Joint Distributions using Partitions” (October 2020)

Teaching

Department of Economics, University of Chicago
2017, 2018 Mathematical Methods for Economics - PhD Math Camp (Grad)
2018, 2019 Elements of Economic Analysis II - Intermediate Microeconomics (Undergrad)

School of Management, Yale University
2021, 2022 Basics of Economics (MBA, EMBA)

Conference & Seminar Presentations

- 2021 - 2022 NYU IO Day*, USC*, Caltech*, UCLA*, SEA Conference*, Stony Brook*, Rochester*
- 2021 - 2022 NUS, São Paulo University, SEA Conference, Columbia, ASU Theory Conference, APIOC Conference, ASSA/AEA Conference, ACDE Conference**, Triangle Micro Conference (Duke/UNC), SET (virtual), MIT/Harvard, IIOC Conference, VSET (virtual), Econometric Society North America Summer Meetings, Conference on Mechanism and Institution Design (NUS).
- 2020 - 2021 Yale, NBER Economics of AI Conference**, Penn State, CityU Hong Kong, UPenn, IIOC Conference**, TSE Economics of Platform Series
- 2019 - 2020 Young Economist Symposium (Columbia), International Conference on Game Theory (Stony Brook), Econometric Society North America Summer Meetings (University of Washington - Seattle), Berkeley-Columbia-Duke-MIT-Northwestern IO Theory Conference (UC Berkeley Haas), Northwestern Kellogg (MEDS), Yale SOM, Chicago Booth, Stanford GSB, ASU, UC Berkeley, National Taiwan University, Academia Sinica
- 2018 - 2019 SAET (Academia Sinica), International Conference on Game Theory (Stony Brook), Young Economist Symposium (NYU), Midwest Economic Theory Conference (Indiana University - Bloomington)
- 2017 - 2018 International Conference on Game Theory (Stony Brook), Midwest Economic Theory Conference (Drexel University)
- (*: scheduled; **: discussant)

Professional Activities

Refereeing: *Journal of Political Economy*, *Review of Economic Studies*, *Management Science*, *Theoretical Economics*, *Journal of Economic Theory*, *RAND Journal of Economics*, *American Economic Review: Insight*, *Journal of Mathematical Economics*, *Journal of Economics and Management Strategy*, *Information Systems Journal*.

Organizer: Yale theory reading group (2021), Yale Theory Seminar (2022,2023)

Awards, Honors & Fellowships

- 2019 - 2020 Dissertation Fellowship, Department of Economics, University of Chicago
- 2019 Outstanding Graduate Lecturer for Microeconomics Award, Department of Economics, University of Chicago
- 2014 - 2019 Top University Strategic Alliance Fellowship, University of Chicago & Ministry of Education Taiwan
- 2017 Best TA Award for PhD First-Year Core, Department of Economics, University of Chicago