

Yanzhen Chen

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CONTACT INFORMATION	Assistant Professor Department of Information Systems, Business Statistics and Operations Management HKUST, Hong Kong	imyanzhen@ust.hk
EDUCATION	Ph.D., Information Systems, The University of Texas at Austin Advisor: Andrew B. Whinston M.A., Finance, Guanghua School of Management Peking University, China	June 2017 July 2012
RESEARCH INTERESTS	Topics: FinTech, Game Theory, Health Care Management, Statistical Learning, Causal Inference Methodologies: Structural Models, AI and Machine Learning, Statistical Learning, Mobile-based Randomized Experiments, Applied Econometrics	
PUBLICATION	Journal Publications O.H.M Padilla, James Sharpnack, Yanzhen Chen , and Daniela Witten. "Adaptive Non-Parametric Regression With the K-NN Fused Lasso." <i>Biometrika</i> , Volume 107, Issue 2, June 2020, Pages 293-310. Yanzhen Chen , Huaxia Rui, Andrew Whinston. "Tweet To the Top? Social Media Personal Branding and Career Outcomes," <i>MIS Quarterly</i> , June 2021. Sunil Mithas, Yanzhen Chen , Chewei Liu, Kunsoo Han. "Are Foreign and American Workers Complements or Substitutes? The Case of Information Technology Professionals," <i>Accepted by MIS Quarterly</i> . Sunil Mithas, Yanzhen Chen , Yatang Lin, Alysson Oliveira. "On Causality and Plausibility of Treatment Effects in Operations Management Research," <i>Accepted by POM</i> (Production and Operations Management). O.H.M Padilla, Wesley Tansey, and Yanzhen Chen. "Quantile regression with ReLU Networks: Estimators and minimax rates," <i>Accepted by JMLR</i> (Journal of Machine Learning Research).	
WORKING PAPERS	Yanzhen Chen, Huaxia Rui, Andrew Whinston. "Conversation Analytics: Can Machines Read between the Lines in Real-Time Strategic Conversations?," <i>Ready to submit</i> . Sijia Zhou, Yanzhen Chen, Xin Li (equally contributed). "Jump-start Mobile Health: The Impact of E-prescription on Mobile Health Consultation Demand,"* <i>Ready to Submit</i>	
WORK IN PROGRESS	Yanzhen Chen, Yabin Yang, Yang Han. "Gender Preferences in Patient Choices: Evidence from a Large-scale Randomized Experiment," <i>Experiments in progress</i> .	
CONFERENCE AND INVITED TALKS	Yanzhen Chen, Sunil Mithas. "Leveling Playing Field? Do Affirmative Actions Close the Gap in Wage,"* 2021 Workshop on Information Systems and Economics (WISE), Austin, Texas. December 2021 Yanzhen Chen, Shu He, "A crypto ATM or a Criminal ATM: The impact of cryptocurrency ATM on local crime activities," 2021 Statistical Challenges in Electronic Commerce	

	Research (SCECR), Madrid & Segovia, Spain. June 2021
	Yanzhen Chen, Yatang Lin, Arun Rai, “A Check on Gig Driver Background Checks: Make Sure or Detour,” NUS Dept of IS & Analytics Seminar , April 2021
	Yanzhen Chen, Xin Li, Sijia Zhou. “Jump-start Mobile Health: The Impact of E-prescription on Mobile Health Consultation Demand,”* 2019 Workshop on Information Technology and Systems (WITS), Munich, Germany. December 2019
	Yanzhen Chen, Huaxia Rui, Andrew Whinston. “Between the Lines: Quantifying Firm’ Fundamentals from Language,”* invited speaker for the Econ RAD seminar, Office of the Comptroller of the Currency, U.S. Department of Treasury , Washington, DC. November 2017.
	Yanzhen Chen, O.H.M Padilla, Andrew Whinston. “Way to Better Healthcare: How Clinical Guidelines Guide Surgeons,”* 8th Conference on Health IT and Analytics (CHITA), Washington, DC. November 2017.
	Yanzhen Chen, Huaxia Rui, Andrew Whinston. “Between the Lines: Quantifying Firm’ Fundamentals from Language,”* Fintech: The Impact on Consumers, Banking, and Regulatory Policy, Federal Reserve Bank of Philadelphia . September 2017.
	Yanzhen Chen, Huaxia Rui, Andrew Whinston. “Does Reputation Management on Social Media Boost Career? Evidence from the Market for Executives,”* 27th Workshop on Information Systems and Economics (WISE), Dublin, Ireland, December 2016.
INVITED INDUSTRY TALKS	HKUST x HashKey Blockchain Business Model Challenge. “Scalability in Blockchain: Challenges and Solutions.” Keynote Speaker , Hong Kong, October 2021.
	HKUST Center for Economic Policy, “Cryptocurrencies, Blockchains and the Digital Economy.” Panelist with Anthony Lee Zhang, Ben El-Baz and Christine Parlour, Hong Kong, May 2022. Panel Speaker, “Fintech Innovations and Its Value to Business,” 2018
	Blockchain Open Technology Forum, Hsinchu, Taiwan. October 2018
RESEARCH GRANTS	Principal Investigator: <ul style="list-style-type: none"> • Early Career Scheme (HK\$553,000), Speak without Speaking: Stock Prices and the FOMC Press Conferences, Hong Kong Research Grants Council, 2019 • IEMS Research Grants (HK\$168,000), Social Impacts of Sharing Economy, with Yatang Lin, HKUST Institute for Emerging Market Studies, 2018 Co-Investigator: <ul style="list-style-type: none"> • Theme-based Research Scheme (HK\$20,659,000), Contributing to the Development of Hong Kong into a Global Fintech Hub, Hong Kong Research Grants Council 2019. • HKUST & WeBank Joint Laboratory Project (HK\$750,360), Programmatic Advertising Retargeting and AI Customer Service, Webank, 2019
MEDIA COVERAGE	Bloomberg Businessweek , “Branding Yourself on Twitter Works (It Did in 2012, Anyway),” 25-Feb-2021 South China Morning Post . “Online practices changing world of work,” 6-Jun-2018 South China Morning Post “The Role of Internet in Labor Markets,” 24-May-2019 Hong Kong Economic Journal Opinion , “The Value of AI in Financial Meetings,” 24-Sep-2018 Hong Kong Economic Journal Opinion , “Innovation and limitations of AI applications,” 19-Nov-2018

TEACHING INTERESTS	Data Mining and Artificial Intelligence in Finance, Algorithmic Trading, Blockchain and Their Business Applications, Advanced Analytics Programming, Causal Inference.
TEACHING EXPERIENCE	<p>Course Developer and Instructor Cryptocurrency, Blockchain, and Their Business Applications, HKUST (MBA level) Co-teach with Allen Huang Spring, Summer, Fall</p> <p>Recognition of Excellent Teaching in 2020 and 2021 FinTech and Cryptovetures Spring</p> <p>Recognition of Excellent Teaching in 2021</p> <p>Course Instructor Introduction to Information Systems, HKUST Fall Introduction to Information Systems, University of Texas at Austin Fall 2015</p> <p>Guest Instructor IS Doctoral Seminar: Current Research in IS (Ph.D. level), HKUST 2019, 2021 FinTech Foundations and Overview, HKUST via Coursera Spring 2018 Decision Support Systems (MBA level), University of Texas at Austin Fall 2014</p> <p>Ph.D. Qualification Exam Author Ph.D. Qualification Exam Author for Quantitative Research in IS 2020, 2022 Ph.D. Qualification Exam Evaluator 2019, 2021</p> <p>Faculty Advisor Undergraduate Research Opportunities Program: Supervised 13 Undergraduate Students on Algorithmic Trading Strategies 2019</p>
HONORS AND AWARDS	ICIS 2016 Doctoral Consortium Fellow December 2016 Best Paper Award, IROM Research Symposium, Austin, TX February 2016 The University of Texas at Austin Graduate School Fellowship Summer 2016 Graduate School Continuing Fellowship, UT Austin 2016-2017 Honorable Mention, <i>Mathematical Contest in Modeling</i> , 2012 The Mathematical Association of America First Prize, <i>China Undergraduate Mathematical Contest in Modeling</i> 2012 (Top 1.49%) Second Prize , <i>Undergraduate Mathematical Contest in Modeling</i> 2011 (Top 6.43%)
SKILLS	Programming skills: <ul style="list-style-type: none"> • Python, Solidity, R, MATLAB, SAS, Julia, C++, NoSQL, SQL, Java, PHP, Shell Script, and L^AT_EX Application Programming Interfaces (API): <ul style="list-style-type: none"> • Twitter, Facebook Graph, Google Maps, LinkedIn Languages: <ul style="list-style-type: none"> • English (fluent), Mandarin Chinese (native), Spanish (basic)
SERVICE AND ACTIVITIES	Executive Committee Member, HKUST Institute for Emerging Market Studies, 2018-2020 Course Developer for ISOM 3350 (Fintech and Cryptovetures) and Co-Developer for ACCT 5801 (Blockchain Technology) ISOM Department Search and Appointments Committee, 2019-2021 ISOM Department Search Interviews, 2017- 2021 Mphil Advisor for Lucy Zhao HKUST Mainland Undergraduate Admission Interview in Beijing, 2018, 2020 Sample Class Instructor for HKUST Business Summer Camp, 2018 Presented at BizInsight@HKUST, to MBA alumni and the industry, on how the development of the Internet and social media has affected the online labor market

Panel speaker, as a representative from HKUST, 2018 Blockchain Open Technology Forum, Hsinchu, Taiwan, 2018
Contributed to two issues of HKUST Business School Magazine Biz@HKUST
Associate Editor, International Conference on Information Systems (ICIS), Blockchain, DLT, and Fintech Track, 2020
Program Committee, Conference on Information Systems and Technology (CIST) 2017, 2019, 2020, 2022
Program Committee, Workshop on Information Technology and Systems (WITS) 2019
Session Chair, DSI 2016 Business Analytics: Information Analytics Session
Reviewer, Journal of Machine Learning Research *JMLR*, Annals of Statistics *AOS*, *Biometrika*
Reviewer, Management Science, MIS Quarterly, Information Systems Research
Reviewer, Production and Operations Management, *POM*
Associate editor, ICIS 2022, Blockchain, DLT and Fintech Track
Associate editor, PACIS 2023, Economics of IS Track
Discussant, WISE 2021