CURRICULUM VITAE
RUIYUN (RAYNA) XU

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EMPLOYMENT

2023-present	Assistant Professor, Farmer School of Business, Miami University, Oxford, Ohio, USA
2021-2023	International Postdoctoral Fellow, Shenzhen Research Institute of Big Data, The Chinese University of Hong Kong, Shenzhen
2020-2021	Senior Research Assistant, Faculty of Business and Economics, The University of Hong Kong

EDUCATION

2014-2020	City University of Hong Kong *Ph.D. in Information Systems*	Hong Kong
2010-2014	Beijing Foreign Studies University *B.S. in Computer Science*	Beijing, China

RESEARCH INTERESTS

FinTech, Artificial Intelligence, Data Analytics, Machine Learning, Healthcare Analytics, Blockchain

TEACHING INTERESTS

Programming, Artificial Intelligence, Database, Distributed Computing and Storage, Data Analytics, Applied Machine Learning, Data Visualization

PUBLICATIONS

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2023. SocioLink: Leveraging Relational Information in Knowledge Graphs for Startup Recommendations. *Journal of Management Information Systems*, **FT-50**.

Fan, Shaokun, Noyan Ilk, Akhil Kumar, Ruiyun Xu, J. Leon Zhao. 2022. From File Processing to Blockchain Networking: A Recount and Projection of Information Systems Research. *Quarterly Journal of Economics and Management*.

WORKING PAPERS

1. Mu, Wen, Jiang Xu, Ruiyun Xu. 2022. Legitimation through Optimal Distinctiveness: Business Proximity and Legitimacy Attainment in Emerging-Technology Start-ups (Revise and Resubmit at *Strategic Entrepreneurship Journal,* **FT-50**).
2. Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. A Unified Measure of Social Proximity based on Graph Embedding for Organizational Studies (under final preparation for submission to *Management Science,* **UTD-24**).

3. Xu, Ruiyun, Yue (Katherine) Feng, Hailiang Chen. ChatGPT vs. Google: A Comparative Study of Search Performance and User Experience (under final preparation for submission to *Management Science*, **UTD-24**). *All authors contributed equally.

PATENTS

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. "Searching Electronic Documents Based on Example-based Search Query", 2020. (U.S. Patent No. 11386164; Filing Number 15/930,647). U.S. Patent and Trademark Office. July 12, 2022.

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. "System and Method for Conducting a Textual Data Search", 2017. (U.S. Patent No. 10747759; Filing Number 15/631,077). U.S. Patent and Trademark Office. August 18, 2020.

CONFERENCE PROCEEDINGS

Li, Litao, Ruiyun Xu, J. Leon Zhao. 2023. Metaverse Knowledge Graph Construction: An Unsupervised Relation Extraction Approach based on Semantic Mining. *Americas Conference on Information Systems (AMCIS)*.

Xu, Ruiyun, Zhanbo Wang, and J. Leon Zhao. 2022. A Novel Blockchain-Driven Framework for Deterring Fraud in Supply Chain Finance, The 2022 *IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC)*, Prague, Czech Republic.

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2020. Measuring Social Proximity via Knowledge Graph Embedding. *International Conference on Information Systems (ICIS),* Virtual.

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2018. smartCVC: A Novel Startup Selection Method for Corporate Venture Capital. *International Conference on Information Systems (ICIS),* San Francisco, CA.

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao 2018. smartCVC: Data Science Meets Corporate Venture Capital. *Americas Conference on Information Systems (AMCIS)*, New Orleans, LA, USA.

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2017. Predicting Corporate Venture Capital Investment. *International Conference on Information Systems (ICIS),* Seoul, South Korea.

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2017. A Fast and Comprehensive Literature Search Tool for Information Systems Researchers. *International Conference on Information Systems (ICIS),* Seoul, South Korea.

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2016. Topic Associations in Document Models for Ad Hoc Information Retrieval. *Pacific Asia Conference on Information Systems (PACIS),* Chiayi, Taiwan.

PRESENTATIONS

"Measuring Social Proximity via Knowledge Graph Embedding" (with Hailiang Chen and J. Leon Zhao), Conference on Information Systems and Technology (CIST), Virtual Conference, November 2020.

"smartCVC: A Novel Startup Selection Method for Corporate Venture Capital" (with Hailiang Chen and J. Leon Zhao), Conference on Information Systems and Technology (CIST), Phoenix, USA, November 2018.

"smartCVC: Data Science Meets Corporate Venture Capital" (with Hailiang Chen and J. Leon Zhao), Conference on Data Science for Business and Economics at Purdue University, West Lafayette, IN, USA, May 2018.

"A Novel Literature Retrieval Model based on Wisdom of Crowds in the Citation Network" (with Hailiang Chen and J. Leon Zhao), The Informs Annual Meeting, Houston, United States, October 2017.

"Abstract-based Literature Search for Information Systems Researchers" (with Hailiang Chen and J. Leon Zhao), The 11th China Summer Workshop on Information Management (CSWIM 2017), Nanjing, China, June 2017.

TEACHING EXPERIENCE

The Chinese University of Hong Kong, Shenzhen
- IBA6104 Programing for Business and Economics: 2021/22 Fall, Role: **Instructor**, Enrollment: 105, Evaluation Score: 5.53/6.0, Response Rate: 83.81%
- IBA6001 Introduction to Artificial Intelligence: 2021 Summer, Role: **Instructor**, Enrollment: 93, Evaluation Score: 5.89/6.0, Response Rate: 60.22%
- IBA6311 Blockchain Technology and Applications, 2022/23 Fall, Role: Teaching Assistant

City University of Hong Kong
- Undergraduate Capstone Project Course: FinTech Talent Training Program: 2017/18 Spring, Role: Guest Lecturer
  - Project: "RegTech for Anti-Money Laundering (AML) Compliance" Lecture 1: Natural Language Processing and Information Retrieval
  - Project: "Data Science for Commercial Banking" Lecture 2: Classification and Prediction
- EMBA Course: Business Models and Innovation in Big Data Era: 2015/16 Fall, 2016/17 Spring, 2017/18 Spring, and 2019/20 Fall, Role: Teaching Assistant
  - Tutorial 1: "Data Visualization for Corporate Management"
  - Tutorial 2: "Deep Learning and Business Analytics"

RESEARCH GRANTS

- Project Member: "Big Data Driven Analytics and Decision Making in the Motion Picture Industry", **Major Research Plan / Fostering Program** – Natural Science Foundation of China, 2018-2020.
- Project Member: "Blockchain Security and Protection Mechanism and Algorithms", **Fundamental Research** – Shenzhen Science and Technology Innovation Commission, China, 2017-2020.

HONORS AND AWARDS

Research Tuition Scholarship (Top 10%), City University of Hong Kong, 2016-2018
Outstanding Academic Performance Award, City University of Hong Kong, 2016-2018
Postgraduate Studentship, City University of Hong Kong, 2014-2018
Beijing Outstanding Graduate (Top 1%), Beijing Foreign Studies University, 2014
Outstanding Undergraduate Dissertation Award, Beijing Foreign Studies University, 2014
National Endeavor Fellowship, Beijing Municipal Commission of Education, 2013
First-Class Scholarship for Excellent Students, Beijing Foreign Studies University, 2011

ACADEMIC SERVICES

- Managing Editor: Special Issue on Blockchain Technology and Applications of Decision Support Systems Journal (DSS), 2022

- Conference Associate Editor: Pacific Asia Conference on Information Systems (PACIS) 2022: Mobile, IoT, and Ubiquitous Computing
- Journal Reviewer: Post-ICIS MIS Quarterly Reviewer Development Workshop; ACM Transactions on Management Information Systems (TMIS); Electronic Commerce Research (ECR); Information Systems Frontiers (ISF)
- Conference Reviewer: International Conference on Information Systems (ICIS); Conference on Information Systems and Technology (CIST); Workshop on Information Technologies and Systems (WITS); Pacific Asia Conference on Information Systems (PACIS); China Summer Workshop on Information Systems (CSWIM)
- Conference Coordinator: International Conference on Smart Finance (ICSF) 2021

TECHNICAL SKILLS

Programming: Python, C/C++, Java, Matlab
Data Analysis & Statistics: Stata, R
Database: MySQL, Microsoft SQL Server, Neo4j
Web Development: JSP, HTML, CSS
Data Visualization: Gephi, Tableau