

CURRICULUM VITAE

RUIYUN (RAYNA) XU

Address: 20402 Apple Harvest Cir, Germantown, MD 20876, U.S.A.

Telephone: +1 202-985-8137

Email: ruiyunxu@cuhk.edu.cn

Personal website: <https://ruiyun-xu.github.io>

EMPLOYMENT

- | | |
|--------------|---|
| 2021-present | International Postdoctoral Fellow, Shenzhen Research Institute of Big Data, The Chinese University of Hong Kong, Shenzhen |
| 2021-2022 | Lecturer, School of Management and Economics, 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
<i>Ph.D. in Information Systems</i>
Dissertation Supervisors: J. Leon Zhao and Hailiang Chen | Hong Kong |
| 2010-2014 | Beijing Foreign Studies University
<i>B.S. in Computer Science</i> | Beijing, China |

RESEARCH INTERESTS

FinTech, Artificial Intelligence, Blockchain, Design Science, Knowledge Graph, Venture Capital, Healthcare Analytics

TEACHING INTERESTS

Business Analytics, Programming, Database, Machine Learning, Management Information Systems, Big Data, Artificial Intelligence, Data Science, Data Visualization, FinTech

PUBLICATIONS

- Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2022. SocioLink: Leveraging Relational Information in Knowledge Graphs for Startup Recommendations (accepted for publication at *Journal of Management Information Systems*, **FT-50**)
- Zhang, Wenping, Ruiyun Xu, J. Leon Zhao, Qiqi Jiang. 2022. A Blockchain-Centric Data Sharing Framework for Building Trust in Healthcare Insurance. *Blockchain in Healthcare: Analysis, Design, and Implementation* (In Press).

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, Hailiang Chen, J. Leon Zhao. Search by Example: A Paradigm for Improving Search Productivity of Knowledge Workers (under final preparation for submission to *ACM TMIS*).

WORK IN PROGRESS

1. Reani, Manuele, Ruiyun Xu, J. Leon Zhao. Examining the Dynamics of Blockchain Systems on Fraud Deterrence in Healthcare Insurance (stage: theory development; target: *MIS Quarterly*, **UTD-24**).
2. Zhang, Wenping, Ruiyun Xu, Qiqi Jiang, Lele Kang. Blockchain Adoption under Uncertainty (stage: data analysis; target: *Journal of Operations Management*, **UTD-24**).
3. Wang, Zhanbo, Ruiyun Xu, J. Leon Zhao. Cross-chain Blockchain Networks: The Case of Non-Fungible Tokens (stage: model implementation; target: *Decision Support Systems*).

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

- 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)*, Hyderabad, India.
- 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

- “Leveraging Relation Information for Venture Recommendations in Two-sided Matching” (with Hailiang Chen and J. Leon Zhao), Symposium on Statistical Challenges in Electronic Commerce Research (SCECR), Virtual Conference, June 2021.
- “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 Municipal Commission of Education, 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

DOCTORAL COURSES

IS Research Methods, Design Science Research in Information Systems, Business Research Methods, Econometrics, Topics in Econometrics, Theory Building for Information Systems and Theory-Inspired Design, Multi-Disciplinary Research Workshop

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

REFERENCES

J. Leon Zhao leonzhao@cuhk.edu.cn
Presidential Chair Professor
School of Management and Economics, The Chinese University of Hong Kong (Shenzhen)

Hailiang Chen chen19@hku.hk
Associate Professor of Innovation and Information Management
Faculty of Business and Economics, The University of Hong Kong

Jian Ma jsjian@cityu.edu.hk
Professor of Information Systems
Department of Information Systems, City University of Hong Kong