CURRICULUM VITAE
RUIYUN XU (RAYNA)
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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	Hong Kong
	Ph.D. in Information Systems	
	Dissertation Supervisors: J. Leon Zhao and Hailiang Chen	
2010-2014	Beijing Foreign Studies University	Beijing, China
	B.S. in Computer Science	

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

TEACHING INTERESTS
Business Analytics, Programming, Artificial Intelligence, Data Science, Blockchain

JOURNAL PUBLICATION
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**)

MANUSCRIPT UNDER REVIEW
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**).

WORKING PAPERS
1. 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**).
2. Reani, Manuele, Ruiyun Xu, J. Leon Zhao. Examining the Dynamics of Blockchain Systems on Healthcare Fraud Deterrence (stage: theory development; target: *MIS Quarterly,* **UTD-24**).

3. Zhang, Wenping, Ruiyun Xu, Qiqi Jiang, Lele Kang. Blockchain Adoption under Uncertainty (stage: data analysis; target: *Journal of Operations Management,* **UTD-24**).
4. Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. Search by Example: A Paradigm for Improving Search Productivity of Knowledge Workers (stage: manuscript writing; target: *ACM TMIS*).
5. Wang, Zhanbo, Ruiyun Xu, J. Leon Zhao. Cross-chain Blockchain Networks: The Case of Non-Fungible Tokens (stage: manuscript writing; target: *Decision Support Systems*).

BOOK CHAPTER

Zhang, Wenping, Ruiyun Xu, J. Leon Zhao, Qiqi Jiang. 2021. A Blockchain-Centric Data Sharing Framework for Building Trust in Healthcare Insurance. *Blockchain in Healthcare: Analysis, Design, and Implementation*.

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).*

Mu, Wen, Jiang Xu, Ruiyun Xu. 2022. Legitimation through Optimal Distinctiveness: Business Proximity and Legitimacy Attainment in Emerging-Technology Start-ups. The 82nd *Annual Meeting of the Academy of Management* (AOM).

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2021. Leveraging Relation Information for Venture Recommendations in Two-sided Matching. *Symposium on Statistical Challenges in Electronic Commerce Research (SCECR).*

Xu, Ruiyun, Hailiang Chen, J. Leon Zhao. 2020. Measuring Social Proximity via Knowledge Graph Embedding. *International Conference on Information Systems (ICIS)* (**28% acceptance rate**)*,* 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)* (**26.1% acceptance rate**)*,* 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)* (**28% acceptance rate**)*,* 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)* (**28% acceptance rate**)*,* 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

"A Novel Blockchain-Driven Framework for Deterring Fraud in Supply Chain Finance" (with Zhanbo Wang and J. Leon Zhao), International Conference on Smart Finance (ICSF), Virtual Conference, August 2022.

"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.

"Search by Example: A Paradigm for Improving Search Productivity of Knowledge Workers" (with Hailiang Chen and J. Leon Zhao), CityU Summer Workshop, Hong Kong, June 2019.

"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: A Novel Startup Selection Method for Corporate Venture Capital" (with Hailiang Chen and J. Leon Zhao), CityU Summer Workshop, Hong Kong, June 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.

"A Fast and Comprehensive Literature Search Tool for Information Systems Researchers" (with Hailiang Chen and J. Leon Zhao), CityU Summer Workshop, Hong Kong, May 2017.

"Topic Associations in Document Models for Ad Hoc Information Retrieval" (with Hailiang Chen and J. Leon Zhao), CityU Summer Workshop, Hong Kong, June 2016.

TEACHING EXPERIENCE

The Chinese University of Hong Kong, Shenzhen

- IBA6104 Programing for Business and Economics: 2021/22 Fall, Role: **Instructor**, Evaluation Score: 5.53/6.0
- IBA6001 Introduction to Artificial Intelligence: 2021 Summer, Role: **Instructor**, Evaluation Score: 5.89/6.0
- 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: "A Social Proximity Measure based on Knowledge Graph Embedding," **General Research Fund** – Research Grants Council (RGC) of Hong Kong, 2020-2022.
- 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.
- Conference Grant, College of Business, City University of Hong Kong, 2017.
- Conference Grant, School of Graduate Studies, City University of Hong Kong, 2016-2017.

HONORS AND AWARDS

Selected for MISQ Author Development Workshop, 2018
Research Tuition Scholarship, City University of Hong Kong, 2016-2018
Mainland 10000 Scheme Grant, Nanjing University, 2017
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

ACADEMIC SERVICES

Managing Editor:
> Special Issue on Blockchain Technology and Applications of Decision Support Systems Journal, 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)
> Information Systems and e-Business Management (ISeB)
> Information Processing and Management (IPM)

Conference Reviewer:
> International Conference on Information Systems (ICIS): 2015-2022
> Conference on Information Systems and Technology (CIST): 2018
> Workshop on Information Technologies and Systems (WITS): 2017
> Pacific Asia Conference on Information Systems (PACIS): 2015-2022
> China Summer Workshop on Information Systems (CSWIM): 2018

Conference Coordinator/Session Chair:
> International Conference on Smart Finance (ICSF) 2021, 2022

Webmaster:
> International Conference on Smart Finance (ICSF) 2018-2022; Symposium on Blockchain Technology and Application (SBTA) 2019

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
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School of Management and Economics, The Chinese University of Hong Kong (Shenzhen)

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Faculty of Business and Economics, The University of Hong Kong