

Linfeng Zhang

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EDUCATION

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| 2019–present | Ph.D. candidate, Mathematics (Concentration in Actuarial Science and Risk Analytics)
Supervisors: Runhuan Feng and Wing Fung Chong
Department of Mathematics
College of Liberal Arts & Sciences
University of Illinois at Urbana-Champaign |
| 2015–2016 | M.Sc., Finance
Gies College of Business
University of Illinois at Urbana-Champaign |
| 2011–2015 | B.Sc., Actuarial Science
B.Sc., Statistics
Minor in Astronomy
University of Illinois at Urbana-Champaign |

PROFESSIONAL EXPERIENCE

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| 2022–present | Visiting Assistant Professor, Drake University |
| 2021–2022 | Data Scientist, Charlee.AI |
| 2019–2022 | Project Manager, Illinois Risk Lab, University of Illinois |
| 2016–2019 | Research Scientist, Information Trust Institute, University of Illinois |

PUBLICATIONS

Published

- [7] Feng, R., Garrido, J., Jin, L., Loke, S.H., **Zhang, L.** (2022). Epidemic Compartmental Models and Their Insurance Applications. In: Boado-Penas, M.d.C., Eisenberg, J., Şahin, Ş. (eds) *Pandemics: Insurance and Social Protection*. Springer Actuarial. Springer, Cham.
- [6] Chen, X., Chong, W.F., Feng, R., **Zhang, L.** (2021). Pandemic Risk Management: Resources Contingency Planning and Allocation. *Insurance: Mathematics and Economics*. 101, 359–383.
- [5] Kesan, J.P., **Zhang, L.** (2021). When Is A Cyber Incident Likely to Be Litigated and How Much Will It Cost? An Empirical Study. *Connecticut Insurance Law Journal*. 27(2), 529–580.
- [4] Kesan, J.P., **Zhang, L.** (2020). Analysis of Cyber Incident Categories Based on Losses. *ACM Transactions on Management Information Systems*. 11, 1–28.

- [3] Kesan, J.P., **Zhang, L.** (2019). An Empirical Investigation of the Relationship between Local Government Budgets, IT Expenditures and Cyber Losses. *IEEE Transactions on Emerging Topics in Computing*. 9(2), 582–596.
- [2] Tonn, G., Kesan, J.P., **Zhang, L.**, Czajkowski, J. (2019). Cyber Risk and Insurance for Transportation Infrastructure. *Transport Policy*. 79, 103–114.
- [1] Shetty, S., McShane, M., **Zhang, L.**, Kesan, J.P., Kamhoua, C.A., Kwiat, K., Njilla, L.L. (2018). Reducing Informational Disadvantages to Improve Cyber Risk Management. *The Geneva Papers on Risk and Insurance - Issues and Practice*. 43, 224–238.

In Prep

- [3] Chong, W.F., Feng, R., Hu, Z., **Zhang, L.** Cyber Risk Assessment for Capital Management.
- [2] Chong, W.F., Linders, D., Quan, Z., **Zhang, L.** Incident-Specific Cyber Insurance.
- [1] Chong, W.F., Feng, R., **Zhang, L.** In Preparation for Privacy Breach: Balancing Data Utility and Privacy Risk.

GRANTS

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| 2022 | SOA Cyber Risk Literature Search Grant , with Wing Fung Chong, Runhuan Feng, and Zhiyu Quan, Society of Actuaries |
| 2020 | Impact of COVID-19 Grant , with Xiaowei Chen, Wing Fung Chong, and Runhuan Feng, Canadian Institute of Actuaries |

AWARDS & FELLOWSHIPS

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| 2022 | ARC Graduate Student Presentation Award Honorable Mention , 2022 Actuarial Research Conference, Society of Actuaries |
| 2021 | Maplesoft Best Student Paper Awards , Virtual 24th International Congress on Insurance: Mathematics and Economics |
| 2020 | CAS Best of 2020 , 2020 CAS Annual Meeting, Casualty Actuarial Society |
| 2019 | State Farm Mathematics Doctoral Scholarship , State Farm Insurance |

PRESENTATIONS

Invited Talks

- Feng, R., Chong, W.F., & **Zhang, L.** 2021. Pandemic Risk Management: Resources Contingency Planning and Allocation. 2021 Casualty Loss Reserve Seminar, Online.
- **Zhang, L.** 2018. Cyber Risk Assessment to Empower Cyber Insurance markets. ISF US Chapter Spring Conference, Chicago, Illinois.

Contributed Presentations

- **Zhang, L.** 2022. Cyber Risk Assessment for Capital Management. 2022 INFORMS Annual Meeting, Indianapolis, Indiana.
- **Zhang, L.** 2022. Pandemic Risk Management: Resources Contingency Planning and Allocation. The 57th Actuarial Research Conference, Champaign, Illinois.
- **Zhang, L.** 2022. Pandemic Risk Management: Resources Contingency Planning and Allocation. 25th International Congress on Insurance: Mathematics and Economics, Online.
- **Zhang, L.** 2021. Cyber Risk Assessment of Capital Management. Virtual 24th International Congress on Insurance: Mathematics and Economics, Online.
- **Zhang, L.** 2021. Cyber Risk Assessment of Capital Management. The 56th Actuarial Research Conference, Online.
- Feng, R., Chong, W.F., & **Zhang, L.** 2021. Pandemic Risk Management: Resources Contingency Planning and Allocation. act21 CIA Annual Conference, Online.
- Feng, R., Chong, W.F., & **Zhang, L.** 2020. Pandemic Risk Management: Resources Contingency Planning and Allocation. 2020 CAS Annual Meeting, Online.
- Feng, R., Chong, W.F., & **Zhang, L.** 2020. Pandemic Risk Management: Resources Contingency Planning and Allocation. SOA Webcast, Online.
- Feng, R., Chong, W.F., & **Zhang, L.** 2020. Pandemic Risk Management: Resources Contingency Planning and Allocation. One World Actuarial Research Seminar, Online.
- Feng, R., Chong, W.F., & **Zhang, L.** 2020. Pandemic Risk Management: Resources Contingency Planning and Allocation. Fall 2020 Actuarial Science and Financial Mathematics Seminar, Champaign, Illinois.

TEACHING EXPERIENCE

Instructor

Drake University	Spring 2023	ACTS/INS 190 - Case Studies Ins & Act Sci ACTS 135 - Mathematical Statistics INS 051 - Personal Risk Management
	Fall 2022	ACTS/INS 190 - Case Studies Ins & Act Sci ACTS 135 - Mathematical Statistics
University of Illinois	Fall 2020	ASRM 195 - Foundations of Data Management

Teaching Assistant

University of Illinois	Fall 2019	MATH 563 - Risk Modeling and Analysis
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RESEARCH EXPERIENCE

2021–2022	Research Assistant Project: Privacy Risk Assessment
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2019–2021	<p>Sponsor: Cisco</p> <p>Supervisors: Wing Fung Chong, Runhuan Feng</p> <p>Research Assistant</p> <p>Project: Actuarial Innovation and Technology on Cyber Risk</p> <p>Sponsor: Society of Actuaries</p>
2019–2020	<p>Supervisors: Runhuan Feng, Wing Fung Chong, Daniël Linders, Jay P. Kesan</p> <p>Research Assistant</p> <p>Project: Cyber Insurance – Challenges and Opportunities for Market Growth</p> <p>Sponsor: Fundación MAPFRE</p>
2016–2019	<p>Supervisors: Runhuan Feng, Wing Fung Chong, Daniël Linders, Jay P. Kesan</p> <p>Research Scientist</p> <p>Project: Towards Community Resilience through Comprehensive Risk Assessment for Business Continuity</p> <p>Sponsor: Critical Infrastructure Resilience Institute</p> <p>Supervisor: Jay P. Kesan</p>

PROFESSIONAL SERVICES

- Organizing Committee Member, Actuarial Research Conference 2023, 2023.
- Reviewer, The European Journal of Finance, 2022.
- Reviewer, The North American Actuarial Journal, 2021.