

**Sen Yan**  
Leeds School of Business  
University of Colorado, Boulder  
Email: [sen.yan@colorado.edu](mailto:sen.yan@colorado.edu) | Website: <https://senyan1999.github.io/>

## EDUCATION

---

**Leeds School of Business, University of Colorado**, Boulder  
**Ph.D. Candidate** in Information Systems

Boulder, CO, USA  
2021 – 2026 (Expected)

**Shanghai University of Finance and Economics**  
**B.S.** in Financial Management  
Minor in Computer Science  
Graduate with Honor Degree

Shanghai, China  
2017 – 2021

## PROFESSIONAL EXPERIENCE

---

2023 - Present	<b>Research Assistant</b> , in University of Colorado, Boulder
2022	<b>Instructor</b> , in University of Colorado, Boulder
2021	<b>Undergraduate Teaching Assistant</b> , in University of Colorado, Boulder
2019 – 2021	<b>Undergraduate Research Assistant</b> , in Shanghai University of Finance and Economics
2020 - 2021	<b>Undergraduate Teaching Assistant</b> , in Shanghai University of Finance and Economics

## RESEARCH INTEREST

---

Cybersecurity, Psychometric Methodology, Sponsor Disclosure, Large Language Model Algorithms, Generative AI Governance

## TEACHING INTEREST

---

Python Programming, Deep Learning, Natural Language Processing, Database

## WORKING PAPER

---

1. **Sen Yan**, Zhiyi Wang and David Dobolyi. An Explainable Framework for Assisting the Detection of AI-Generated Textual Content. Under Review at Decision Support Systems
2. Carol Shiue, Wolfgang Keller and **Sen Yan**. Mining Chinese Historical Sources at Scale: A Machine Learning-Approach to Qing State Capacity. Prepare for submission; NBER working paper
3. Kai Larsen, **Sen Yan**, Roman Lukyanenko and Mikko Rönkkö. Integrating LLMs and Psychometrics: Global Construct Validity. Currently drafting manuscript
4. David Dobolyi and **Sen Yan**. Tri-Model Deep Learning for Sponsor Content Detection. Currently working on developing algorithms
5. Kai Larsen, **Sen Yan**, Roland Muller, Lan Sang, Ravi Starzl, and Wynne Chin. Universal Construct Validity. Currently drafting manuscript
6. Kai Larsen, Roland M. Mueller, Abram Handler, **Sen Yan** and Sebastian Huettemann. ISReCon: An Ontological Approach to Discovering Research Conversations in IS. Currently working on developing algorithms
7. Xingli Cui, **Sen Yan**, Min Ding, Menghua Zhu, and Qi Deng. Globally Automated Detection of Lunar Maria and Impact Melts Using Deep Learning. Under Review

## CONFERENCE PROCEEDING & PRESENTATION

---

1. Larsen Kai R. & **Yan S.** (2024). Integrating LLMs and Psychometrics: Global Construct Validity. In the 2024 INFORMS Annual Meeting, Seattle, Washington (Expected)
2. Larsen Kai R. & **Yan S.** (2024). Integrating LLMs and Psychometrics: Global Construct Validity. In the 2024 The International Conference on Information Systems (ICIS 2024), Bangkok, Thailand (Expected)
3. Larsen Kai R. & **Yan S.** (2024). Is Behavioral Cross-Sectional Information Systems Research Just Linguistic Manipulation? Provocation in the 32nd European Conference on Information Systems (ECIS-2024), Paphos, Cyprus
4. Shiue C., Keller W., & **Yan S.** (2024). Mining Chinese Historical Sources at Scale: A Machine Learning-Approach to Qing State Capacity. In the CEPR Economic History Annual Symposium 2024, Dublin, Ireland
5. **Yan S.**, Wang Z. & Dobolyi D. (2023) A Design Framework for Detecting and Understanding AI-Generated Texts: Fusing Transformers and Linguistic Features. In the 2023 INFORMS Annual Meeting, Phoenix, AZ
6. **Yan S.**, Wang Z. & Dobolyi D. (2023) A Design Framework for Detecting and Understanding AI-Generated Texts: Fusing Transformers and Linguistic Features. In the 2023 INFORMS Workshop on Data Science (WDS-2023), Phoenix, AZ
7. Mueller, Roland M., Huettemann, S., Larsen, Kai R., **Yan, S.**, and Handler, A. (2022). Toward an Information Systems Ontology. Proceedings of 17<sup>th</sup> International Conference on Design Science Research in Information Systems and Technology (DESIST-2022), Tampa, FL
8. Cui, W., & **Yan, S.** (2021). Isotonic data augmentation for knowledge distillation. Proceedings of the 30<sup>th</sup> International Joint Conference on Artificial Intelligence (IJCAI-2021), Virtual
9. **Yan, S.** Yang B. & Hui F. (2020). UnitedANT: A Multimodal Deep Learning Framework for Predicting Financial Risk from Acoustic, Numeric, and Textual Cues in Earnings Conference Calls. Proceedings of the 30<sup>th</sup> Workshop on Information Technologies and Systems (WITS-2020), Virtual

## TEACHING EXPERIENCE

---

- **Instructor**, 2022 Spring, Business Analytics BAIM3200/MKGT3201 at CU Boulder
- **Teaching Assistant**, 2021 Fall, Business Analytics BAIM3200/MKGT3201 at CU Boulder
- **Teaching Assistant**, 2020 Fall, Natural Language Processing at Shanghai U. of Finance and Economics
- **Teaching Assistant**, 2020 Spring, Natural Language Processing at Shanghai U. of Finance and Economics

## HONOR

---

- Summer Hart Fellowship 2023 (\$3000)
- Summer Hart Fellowship 2022 (\$3000)
- DESIST 2022, Doctoral Consortium
- Honor Degree, Shanghai University of Finance and Economics

## SKILL

---

- Programs: Python (master), PyTorch (master), Linux Shell, Java, C++, Javascript, SQL
- Languages: Chinese (native), English (fluent)