Chuqing Zhao

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RESEARCH INTERESTS

Computational Social Science, Economic Sociology, Organizational Theory, Culture, Complex Systems, Innovation, Social Network, Computational Linguistics

ACADEMIC BACKGROUND

The University of Chicago   2020-2022
M.A. in Computational Social Science   Chicago, United States
- GPA: 3.93 / 4.00

Huazhong University of Science and Technology   2016-2020
B.A. in English; B.S. in International Economics   Wuhan, China
- GPA: 3.99/4.00 (ranked 1%)

The London School of Economics   2017
Visiting Student, Department of Statistics   London, United Kingdom
- GPA: 4.00/4.00

CONFERENCE & PRESENTATIONS

- Zhao, C. (2021, December). Scientific Collaboration and Knowledge Diffusion under the COVID-19. Paper to be presented at *2021 International Conference on Complex Networks and Their Applications*, Madrid Spain.

- Zhao, C. (2021, October). Scientific Collaboration and Knowledge Diffusion under the COVID-19. Poster to be presented at *2021 Conference on Complex Systems*, Lyon, France.

- Zhao, C. (2021, July). Scientific Collaboration and Knowledge Diffusion under the COVID-19. Paper to be presented at *7th International Conference on Computational Social Science, ETH Zurich*.

- Zhao, C. (2021, June). Knowledge Diversity and Team Innovation: Dynamics of Knowledge Recombination and Boundaries. Paper to be presented at *2021 Annual Interdisciplinary Graduate Conference*, University of Chicago, Chicago, IL.

- Zhao, C., Zhang, Z., & Hu, Y. (2019, August). Why Nouns Become Verbs: Cognitive Analysis on English Denominal Verbs based on Large-scale of Textual Data. Paper to be presented at *2019 National Undergraduate Linguistics Colloquium*, Harbin, China.

RESEARCH EXPERIENCE

The University of Chicago (Knowledge Lab)   May 2021-
Research Assistant to Prof. James Evans   Chicago, United States
Entrepreneurs' Pitches, Pivots and Perceptions
- Investigate early-stage startups pitch behavior to pivot strategies, and its relationship to future investment. Model the semantic relationship between entrepreneurs' pitches and predict the violation of investor expectations and surprise.

City University of Hong Kong(Computer Science Department) June 2021-
Collaborated with Prof. Zhicong Lu & Prof. Wanyang Hu   Hong Kong, China
Safeguarding Intangible Cultural Heritage on Digital Media

- Explore knowledge sharing and video engagement in TikTok community. Employed computer vision and natural language processing techniques to measure cultural diffusion of Chinese culture heritages. Found social divide in short video production and engagement.

The University of Chicago (Booth School of Business)   2021

Supervised by Prof. Ozan Candogan & Prof. James Evans   Chicago, United States

Social Network on Scientific Collaboration
- Utilize social networks and natural language processing methods to trace knowledge diffusion, independently collected and clean millions of scientific papers. Project presented on 7th International Conference of Computational Social Science.

Chinese University of Hong Kong (Decision Science Department)   2020

Research Assistant to Prof. Ning Hsu & Prof. Jing Wu   Hong Kong, China

The Impact of COVID-19 on International Supply Network
- Collect and organizing data from the CEIC database to explore how the COVID-19 effects international supply networks

Labor Skills on Firm Performance
- Investigate how labor skill demands affect firm performance and pay, assisted in processing Glassdoor job description data

Huazhong University of Science and Technology (Linguistics Department)

Research Assistant to Prof. Zaihong Zhang   2018-2019

Computational Linguistic Analysis on Denominal Verbs
- Lead a cognitive linguistics project on the morphological indicator in denominal verbs, collected large-scale textual data from the Corpus of Historical American English (COHA). Examined the cognitive structure, linguistic features and socio-technical systems. Paper selected as national college students' research project with funding, best award in the undergraduate linguistics colloquium.

Huazhong University of Science and Technology(Economics Department)

Research Assistant to Prof. Hongbin Ouyang   2018-2019

Spillover Effect of High-Speed Railway on Industrial Transformation
- Data cleaning and processing, implement DID model to analyze the transformation on industrial transformation in rural areas, completing part of the research

SELECTED AWARDS & HONORS

- Social Sciences Scholarship, University of Chicago ($40,000), 2021-2022
- Maroon Scholar Research Award, University of Chicago($30,000), 2020-2021
- Outstanding Graduate Award, Huazhong University of Science and Technology, 2020
- Academic Excellence Student (ranked top 1% of all undergraduate students), 2018
- National Scholarship Award (ranked top 1% of all undergraduate students), 2018
- National Excellence Award (ranked top 1% of department), 2017
- First Prize, 21st English Public Speaking Competition in Hubei Provence (1% of 650), 2017

INDUSTRY EXPERIENCE	**The Alan Turing Institute** *Data Science Researcher*	Jul 2021–Sep 2021 London, United Kingdom

- Analyzed pet consultation data and market demand through large-scale customer data, implemented machine learning models and prediction model with LSTM algorithm.

Changjiang Security   Jun 2020 – Aug 2020
Intern, Investment Bank   Wuhan, China

- Participated in 3 IPOs and 1 MA projects, main task included due diligence work, valuation analysis, prospectus drafting on high techs. Conducted research on FinTech industry and prepared a comparative study on funding securing before and after COVID-19 in Wuhan Optics Valley

Ping An Group - AI Research Lab   Jul 2019 – Sep 2019
Intern, Product Manager   Shenzhen, China

- Ping An is a leading FinTech company in China, where my main task includes applying natural language processing and computer vision techniques to analyze the annual reports of public listing companies, led prototype design and drafted product requirement documents.

Deloitte   Jul 2018 – Aug 2018
Intern, Digital Consulting Intern   Shanghai, China

- Worked on a 9-member Oracle ERP Service team to implement the E-Business Suite and customize modules

China Development Bank   Jan 2018 – Apr 2018
Intern, Financial Analyst   Wuhan, China

- Worked on a shanty town transformation at Qingshan District in Wuhan, and participate with an infrastructure investment project in Angola

ADDITIONAL INFORMATION

Computer Skills: C++/C, Python, R, STATA, SQL, LATEX
Data Science: Data Structure and Algorithms, Data Scraping, Machine Learning,ArcGIS, GeoDa, spacy, genism, NLTK, NetworkX, Jupyter, TensorFlow, NumPy, Pandas, scikit-learn, NoSQL, AWS, Spark
Language Skills: Mandarin Chinese (Native), English (Proficient), French (Intermediate)
Interests: Canoe (youth canoe certification), Painting (for over 10 years), Half Marathon (Huazhong University of Science and Technology's Winter Marathon, 2019 & Wuhan East Lake Marathon, 2018)