Xintong (Jessica) Cai

Cell Phone: +1 (401)523-1752   Email: caixintong@ucla.edu

EDUCATION

Univeristy of Carlifornia, *Master of Science in Applied Statistics and Data Science*   **Sep.2024-Mar.2026**
- Relevant Courses: Mathematics Probability, Statistical Computing and Programming, Data Management, …

University of Chicago, *Master of Art in Social Science(Quantitative Methods and Social Analysis)*   **Sep.2023-Jun.2024**
- GPA: 3.85/4.0
- Relevant Courses: Applied Regression Analysis(A-), Statistical Theory and Methods II(A), Content Analysis(A), Topics in Data Science:HCI (A)

Fudan University, *Bachelor of Art in Journalism and Communications*   **Sep.2019-Jun.2023**
- Minor: Economics, GPA: 3.56/4.0, Ranking: 6/30
- Relevent Courses: Advanced Mathematics(A-), Social Media Analytics(A),Contempoary Chinese Economy (A)...

University of Helsinki, *Exchange Study (Faculty of Social Science)*   **Jan.2022-Jun.2022**
- GPA: 4.8/5.0
- Relevant Courses: Working with Text in Python(5), Natural Language Processing for Linguists(5)…

SKILLS

Programming: Python (Proficient), R (Proficient)
Language: Mandarin(Native); English(Fluent, TOEFL:110); Wu(Fluent); Japanese (Basic, N4),German (Basic);
Tools: Latex, Markdown

PROFESSIONAL EXPERIENCES

Knowledge Lab, University of Chicago | Remote, United States   **Jun.2024 – Present**
Data Analyst, Knowledge Lab
- Summarized over 100 research about the driving force of the disruptive technology diffusion and wrote an analysis on the innovation behavior in academia
- Extracted and sorted the dissertation and publication data of scientists since 2012 from Openalex

Siemens Smart Infrastructure Group China | Shanghai, China   **Sep.2022-Nov.2022**
Strategy Analyst
- Monitored Chinese macroeconomic trends by analyzing National Bureau of Statistics (NBS) data, with a focus on real estate, industry, and transportation sectors
- Authored a strategic report on the future of new energy development in China, drawing insights from energy policy analysis
- Summarized China's economic performance based on World Bank and IMF reports, providing an outlook for the next fiscal year
- Prepared competitive analysis presentations, comparing Siemens with competitors such as Schneider and ABB

Caixin Data Technology Co.Ltd. | Worked remotely   **Jun.2022-Nov.2022**
Policy Analyst
- Contributed to a public health policy project in collaboration with the Bill & Melinda Gates Foundation, analyzing and visualizing themes from over 2,000 media reports
- Collaborated on a study with Kuaishou, examining the impact of Zero-Covid policy on SME owners, and authored a 25,000-word case study on key influencers
- Provided daily political, economic, technological, and energy sector news summaries, including analysis of the 20th CPC National Congress and Politburo Standing Committee

RESEARCH EXPERIENCES

Fading Digital Empathy: The narrative transformation of Online Support groups across Covid-19   Jan.2024 – Aug.2024
Researcher, Instructor: James Evans, University of Chicago
- Extracted and analyzed 76,000 posts from Reddit using Python, conducted time series analysis on social support patterns
- Utilized large language models for sentiment analysis to assess shifts in online community support, discovering a 24% decline in social support within mental health communities post-Covid-19.
- Developed statistical models (regressions) to identify key factors influencing the intensity of social support in online communities
- Paper published in HCI Conference Proceedings 2024

Of Sugar and of Bullet: Tracing the economic consequences of 1740 Batavia(Jarkarta) Massacre   Sep.2023 - Present
Researcher, Instructor: Panos Toulis, University of Chicago
- Applied Difference-in-Differences (DID) methodology to evaluate the economic consequences of the ethnic massacre
- Conducted time series analysis using commodity price data from the VOC archive to trace the long-term economic effects

The Analysis of Chinese Private Equity Funds on Risk-Avoidance **July.2022-Nov.2022**

Research Assistant, Instructor: Professor Changrui Yu of Shanghai University of Finance and Economics

- Processed and analyzed data of Chinese private equity funds performance (2016-2022) using Python.
- Calculated risk-avoidance indices for hedge funds and visualized trends from 2016 to 2022
- Drafted a detailed report on fund performance, categorizing and comparing various fund types over the period