

Jie Xia

Southern University of Science and Technology, Shenzhen, China
xiajie0109@gmail.com — +(86) 13927402679 — <https://github.com/jiexia0109>

EDUCATION

Southern University of Science and Technology , Shenzhen, China Master of Finance	Sep.2025 — Jun.2027 (Expected) GPA: 3.76/4.00
Hainan University , Haikou, China Bachelor of Finance	Sep.2021 — Jun.2025 GPA: 3.89/4.00

WORK IN PROGRESS

International Audit Standards Convergence and Cross-Listings <i>with Albert Tsang (ZJU) and Haoran Zhu (SUSTech)</i>	(Data analysis stage)
--	-----------------------

RESEARCH EXPERIENCE

Southern University of Science and Technology (Dr. Haoran Zhu) <i>Research Assistant</i>	Shenzhen, China Sep.2024 — Present
--	---------------------------------------

- **Form 8-K Disclosure Classification and Information Extraction** *Kanyuan Huang (CUHK SZ) and Haoran Zhu (SUSTech)*
Built an automated EDGAR pipeline to retrieve and parse 8-K filings for targeted firms over customized time windows. Leveraging the ChatGPT API, constructed a supervised training dataset by labeling raw disclosure sentences, created train/test splits, and fine-tuned BERT-based sentence classifiers using the HuggingFace framework to identify specific disclosure themes. Further applied GPT-based models to extract structured information from unstructured filing text, transforming narrative disclosures into filing-level measures for empirical analysis.
- **Digital Transformation in Audit Firms** *Haoran Zhu (SUSTech)*
Project supported by the National Natural Science Foundation of China
Developed an automated LLM-based workflow to identify digital-skill requirements in audit firm job postings. Designed structured prompt templates with explicit classification rules to minimize false positives and hallucinations, implemented large-scale ChatGPT API batch inference, and conducted consistency checks to validate outputs. Aggregated posting-level classifications to construct firm-year measures of digital investment intensity.
- **Audit Office Turnover in United States** *Daniel Aobdia (Penn State), Yifan Jia (XMU), Yuqing Zhou (CUHK) and Haoran Zhu (SUSTech)*
Developed a multi-level audit office database integrating employee career histories (Revelio Labs), Audit Analytics client portfolios, Compustat fundamentals, and local economic data. Constructed office-year turnover measures from position-level career spells by tracking sequential individual job transitions across offices, firms, and roles and derived granular external and internal inflow, outflow, and net-flow rates.
- **Within-Firm Performance-related Information Disadvantage and Employee Wage Outcomes** *Philip Berger (UChicago), Yifan Jia (XMU), Yuqing Zhou (CUHK) and Haoran Zhu (SUSTech)*
Constructed U.S. state-, county-, and ZIP-level 3G exposure measures by integrating gridded population raster data, telecom network coverage raster datas, and administrative boundary shapefiles. Developed scalable geospatial pipelines in Python to harmonize multi-resolution spatial datasets, parallelized alignment and overlay operations using multi-processing, and computed population-weighted coverage ratios, substantially improving efficiency and reproducibility relative to manual GIS workflows.
- **Miscellaneous work**
Constructed large-scale firm-year panels from (i) USASpending federal contract data, (ii) Department of Labor Form 5500 filings, and (iii) NLRB union election records, cleaning and structuring each database for empirical analysis.

Built a firm-brand-UPC link table linking RepRisk ESG controversy events to affected companies' product UPC codes by combining large-scale fuzzy matching of firm names with ChatGPT API-assisted validation.

Paper replication:

- **Chen and Li. (2023). Is hiring fast a good sign? The informativeness of job vacancy duration for future firm profitability. Review of Accounting Studies**

Constructed a 20M+ job-posting dataset from LinkUp and built firm-quarter panels. Developed an industry-occupation-month adjusted vacancy duration measure using LinkUp and OES wage data. Replicated baseline and cross-sectional tests linking hiring speed to future firm profitability.

Data usage: Audit Analytics, Compustat, CRSP, DOL, EDGAR, LinkUp, RepRisk, Revelio Labs, USASpending.com

RESEARCH INTERESTS

Disclosure, Auditing, Human capital, Supply Chain

SKILLS

Language: Mandarin (Native), English (Fluent)

Programming: Python, STATA, SQL, ArcGIS, L^AT_EX

Analysis: Web Scraping (EDGAR), Textual analysis (BERT, SpaCy, Word2Vec), LLM API

AWARDS

First-Class Graduate Scholarship

SUSTech 2025

Outstanding Graduate

Hainan University 2025

Merit Student

Hainan University 2023

Wuxu Scholarship (Ranked 1st in College)

Hainan University 2023

REFERENCES

Dr. Haoran Zhu

Assistant Professor

Southern University of Science and Technology, Shenzhen

zhuhr@sustech.edu.cn

Dr. Kanyuan Huang

Assistant Professor

The Chinese University of Hong Kong, Shenzhen

huangkanyuan@cuhk.edu.cn

Dr. Yuqing Zhou

Assistant Professor

The Chinese University of Hong Kong, Hong Kong

yuqingzhou@cuhk.edu.hk