Rongzheng LIU

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EDUCATION

Southeast University, *BSc in Information Management & Information Systems*   *Aug 2021 - Jun 2025*
- Overall GPA: 3.84/4.0   Rank:3/20
- **Relevant Coursework:** Programming & Algorithmic Language II (98), Computer Network & Application (88), Data Mining(97), Social Network Data Analysis(92), Principle of Database(90), Statistics(88), Linear Algebra(87)

University of California, San Diego, *Exchange Student*   *Sep 2024 - Dec 2024*
- **Coursework:** Theoretical Foundations of Data Science II, Design for Creativity and Productivity

RESEARCH & PROJECTS

GEARS Summer Research Program | NCSU – Raleigh, US (Remote)   *Jul 2024 - Oct 2024*

Topic: Apple Traitor and Huawei Patriot: A Multiplatform Analysis of the Politicization of Technology Brands in China – *Supervised by Prof. Alice Cheng*
- Developed automated web scraping framework with proxy rotation and rate limiting to collect and process 50K+ discussions on tech-nationalism from Weibo, Xiaohongshu and other Chinese social platforms.
- Implemented WordPPR algorithm to quantify sentiment polarization in tech discourse across multiple platforms.
- Synthesized social identity theory with sentiment analysis to measure tech brands' impact on national identity.

Mitacs Globalink Research Internship | University of Regina – Regina, CA   *Jun 2024 - Sep 2024*

Topic: Study on Correlation between Research Funding and Research Impact – *Supervised by Prof. Jingtao Yao*
- Designed a robust data collection architecture integrating WoS API and Selenium-based automation, with dynamic element recognition and exponential backoff strategies for large-scale academic impact analysis.
- Conducted bidirectional analysis of 2017/2022 RGPIN recipients by examining 5-year pre-grant and post-grant metrics, quantifying relationships between funding levels and researchers' outputs in CS & Math areas.
- Applied regression analysis to quantify research funding and output correlations across scientific domains.

National Undergraduate Innovation Project | Southeast University – Nanjing, CN   *Nov 2022 - Nov 2023*

Topic: Prediction of Financial Distress in Listed Companies: An Earnings Management Perspective Study Using SVM Ensemble – *Supervised by Prof. Chao Huang*
- Designed a two-stage classification framework incorporating preliminary earnings management analysis (13 indicators) and subsequent multi-kernel SVM ensemble, enabling hierarchical financial distress detection.
- Optimized model through grid search and cross-validation, improving prediction accuracy from 78% to 87%.
- Constructed data pipeline integrating financial statements and indicators for automated distress monitoring.

PROFESSSIONAL EXPERIENCE

Research Center for Digital Humanities of PKU   *Beijing, China (Remote)*
Digital Archives Intern | *Peking University*   *Jun 2024 - present*
- Assisted in the cataloging, editing, and proofreading of over 200 volumes of ancient texts, ensuring high accuracy and consistency to facilitate digital access and enhance public engagement with historical resources.
- Supported the digital archiving process by contributing to comprehensive verification methodologies and rule.

SCHOLARSHIPS & AWARDS

Meritorious Winner(6%), Mathematical Contest in Modeling (MCM)	*May 2024*
Globalink Research Internship Award(93/1382), Mitacs (Canada)	*Feb 2024*
Zhi Shan Excellent Student Scholarship(10%)	*Dec 2022*
Excellence Award in Arts & Cultural Activities(3%)	*Dec 2022*

SKILLS

Languages: Mandarin(Native), English(IELTS - 7.5), French (Beginner)

Programming: Python, C++, R, JavaScript, SQL, LaTeX

Frameworks: NumPy, scikit-learn, PyTorch