

# Rongzheng LIU

(+86) 15385330622 | 3196@seu.edu.cn | tianlrz.github.io

## EDUCATION

**Southeast University**, *BSc in Information Management & Information Systems* Aug 2021 - Jun 2025

- Overall GPA: 3.83/4.0 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.

## PROFESSIONAL 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