

# Rongzheng LIU

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## EDUCATION

- Southeast University**, *BSc in Information Management & Information Systems* Aug 2021 - Jun 2025
- Overall GPA: 3.83/4.0    Rank:3/20
  - Relevant Coursework:** Data Mining(97), Principle of Database(90), C++ Programming II (98), Linear Algebra(87), Computer Network & Application(88), Social Network Data Analysis(92), Statistics(88)
- 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 to collect and process platforms’ discussions on tech-nationalism.
  - 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 bibliometric analysis framework integrating WoS API for large-scale academic impact evaluation.
  - Conducted bidirectional analysis of NSERC (RGPIN)’s impact on research productivity in CS & Mathematics.
  - 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 novel multi-kernel SVM ensemble model integrating 13 key earnings management indicators.
  - 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 Dec 2022

## SKILLS

- Languages:** Mandarin(Native), English(IELTS - 7.5), French (Beginner)
- Programming:** Python, C++, R, SQL, LaTeX
- Frameworks:** PyTorch, scikit-learn, NumPy, Spark