

Rongjun Chen

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EDUCATION

North China University of Technology and Brunel University London

Beijing, China

Bachelor of Science in Mathematics for Data Science

Sep. 2020 - Jun. 2024

- **GPA:** 3.29/4.0
- **Honors:** Second Class (Upper Division) Honours (2.1)

RESEARCH EXPERIENCES

Center for Education Economics and Statistics of China, Beijing Normal university

Advisor: Prof. Nan Zhao

May 2024 - Aug. 2024 (expected)

Key Responsibilities in Research Project:

- Performed preprocessing on a large-scale corpus of court documents.
- Applied and fine-tuned natural language processing techniques (BERT) to the preprocessed data for text mining and extraction of criminal subject information. (expected)
- Conducted descriptive statistical analysis and data visualization.

College of Science, North China University of Technology

Advisor: Dr. Yongxia Zhang

Nov. 2023 - May. 2024

Honours Thesis: A Comparative Analysis of Machine Learning Algorithms for Handwritten Digit Recognition Using the MNIST Dataset

- Leveraged PyTorch and scikit-learn for model implementation and evaluation.
- Implemented and fine-tuned multiple machine learning models (SVM, KNN, RF, MLP, and CNN).
- Engineered a unified pipeline for data processing and analysis and presentation through standardized visualizations.

SKILLS

Programming Languages: Python, R, MATLAB

Data Processing and Analysis: NumPy, Pandas, Matplotlib

Machine Learning: PyTorch, Tramsformer, Diffusion Models

Tools: Git, Typst (LaTeX), Linux, Docker