Rentian Zhu

+45 5032-3163 | rz.eco@cbs.dk | My Linkedin

EDUCATION

Copenhagen Business School   Copenhagen, Denmark
PhD Fellow   *Sept, 2024 - Aug, 2027*
  * Primary Supervisor: Moira K. Daly
  * Secondary Supervisor: Dolores Romero Morales

University of Oxford   United Kingdom
Visiting Recognised Student   *April 2025 - June 2025*

Copenhagen Business School   Copenhagen, Denmark
MSc Advanced Economics and Finance   *Sept, 2022 - June, 2024*
  * GPA: 11.3/12
  * CBS Scholarship (2022 - 2024), Global Student Office at CBS
  * Thesis: Analyzing Skill Requirements in the Danish Labor Market Using Large Language Models: A Text-to-Data
    Approach (12/12)

The Chinese University of Hong Kong   Shenzhen, China
Bachelor of Business Administration   *Sept, 2018 - June, 2022*
  * GPA: 3.83/4.00 (Top 5%)
  * Undergraduate Research Award (2021), The Chinese University of Hong Kong
  * Scholarship for Academic Performance (2020), The Chinese University of Hong Kong
  * Dean's List (2018, 2019, 2021), School of Management and Economics

PROFESSIONAL EXPERIENCE

Research Assistant   Sept, 2022 – August, 2024
Department of Economics, Copenhagen Business School   *Copenhagen, Denmark*

  * Patent Data Analysis: Conducted an extensive examination of US patent data after 2000 to uncover valuable
    insights in industrial innovation. Integrated patent information with firm-specific attributes on the UCloud.
  * Natural Language Processing (NLP) Task:
    * Fine-tuned a BERT model using job posting data to identify and categorize skills based on a predefined
      taxonomy proficiently.
    * Implemented the RAG (Retrieval-Augmented Generation) framework and fine-tuned the LLM (Language
      Model) to streamline skill extraction and simplify the skill subtraction process.

Data Science Intern   June, 2023 – August, 2023
Data Science Lab, Danmarks Statistik   *Copenhagen, Denmark*
  * Finetuned a pretrained Danish BERT model using grocery shopping data sourced from Sailing Group
  * Optimized deep learning models on a hierarchical classification task using PyTorch and BERT

Research Assistant   May, 2021 – July, 2021
School of Management and Economics, The Chinese University of Hong Kong, Shenzhen   *Shenzhen, China*
  * Analyzed Chinese political data from four provinces over five years using Python.
  * Used demographic data to track young generations' inter-province movements.

REFERENCES

Prof. MOIRA DALY: Associate Professor in Copenhagen Business School moda.eco@cbs.dk
Prof. CÉDRIC SCHNEIDER: Associate Professor in Copenhagen Business School csc.eco@cbs.dk