

Rentian Zhu

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EDUCATION

Copenhagen Business School

PhD Fellow

- * Primary Supervisor: Moira K. Daly
- * Secondary Supervisor: Dolores Romero Morales

Copenhagen, Denmark

Sept, 2024 - Aug, 2027

University of Oxford

Visiting Recognised Student

United Kingdom

April 2025 - June 2025

Copenhagen Business School

MSc Advanced Economics and Finance

- * 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)

Copenhagen, Denmark

Sept, 2022 - June, 2024

The Chinese University of Hong Kong

Bachelor of Business Administration

- * 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

Shenzhen, China

Sept, 2018 - June, 2022

University of British Columbia

Exchange Student

- * GPA: 4.1/4.3

Vancouver, Canada

Jan, 2021 - May, 2021

Copenhagen Business School

Exchange Student

- * GPA: 11.2/12

Copenhagen, Denmark

Sept, 2020 - Dec, 2020

PROFESSIONAL EXPERIENCE

Research Assistant

Department of Economics, Copenhagen Business School

Sept, 2022 - August, 2024

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

Data Science Lab, Danmarks Statistik

June, 2023 - August, 2023

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

School of Management and Economics, The Chinese University of Hong Kong, Shenzhen

May, 2021 - July, 2021

Shenzhen, China

- * Analyzed Chinese political data from four provinces over five years using Python.
- * Used demographic data to track young generations' inter-province movements.

Teaching Assistant

School of Management and Economics, The Chinese University of Hong Kong, Shenzhen

May, 2021 - July, 2021

Shenzhen, China

- * Delivered lectures and conducted tutorials in Microeconomics in English, explaining concepts in a clear manner.
- * Assisted students in understanding course material by answering questions, offering guidance, and providing additional resources for study.

TECHNICAL SKILLS

Languages: Mandarin, English

Tools: Langchain, Python, R, Stata, UCloud, EViews, Tableau, Latex

CONFERENCE PARTICIPATION

Danish Digitalization, Data Science and AI 2024 (D3A)

Denmark

Participant

2024

- * Participated in the inaugural national conference hosted by Digital Research Centre Denmark (DIREC), Pioneer Centre for Artificial Intelligence (P1), and Danish Data Science Academy (DDSA).
- * Engaged in discussions and sessions aimed at growing the Danish digitalization, data science, and AI communities, with a focus on fostering a collaborative and inclusive environment.
- * Networked with PhD students, postdocs, senior researchers, and professionals from across Denmark, strengthening the community and collaborative opportunities.

DGPE: Danish Graduate Programme in Economics

Denmark

Participant of PhD courses and Annual Workshop

2023

- * Engaged in specialized PhD courses in economics, covering various topics with international experts.
- * Participated in the annual two-day workshop. Benefited from networking opportunities with students and faculty from other institutions.

LEADERSHIP AND EXTRACURRICULARS

DDSA - Danish Data Science Academy

Copenhagen, Denmark

Mentee of DDSA Mentoring Programme

Sept, 2023 - Present

- * Supervised by Prof Daniel Hain

CBS Case Club

Copenhagen, Denmark

Team Lead and Champion

Sept, 2022 - Nov, 2022

- * Champion Team of Final Case Competition: Culmination of the Case Academy in the Final Case Competition. Tasked with solving a real-life business problem in teams of 4-5 in 15 hours. Presented solutions to a jury comprising case company representatives, experienced McKinsey consultants, and case experts.

CBS Investment Club

Copenhagen, Denmark

Participant of CBS Investment Academy

Apr, 2023 - May, 2023

- * Engaged in interactive workshops and sessions that provided insights into investment strategies and financial markets.
- * Collaborated with club members on mock investment projects, utilizing real-world financial data.

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

Prof. HIROYUKI KASAHARA: Professor in University of British Columbia Hiroyuki.Kasahara@ubc.ca

Prof. KAROL SZWAGRZAK: Associate Professor in Copenhagen Business School ksz.eco@cbs.dk

Prof. PENGFEI SUI: Assistant Professor in Chinese University of Hong Kong psui@cuhk.edu.cn