YUQIN ZHOU

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EDUCATION

University of Copenhagen   Sep 2021 - Oct 2023
M.Sc. in Information Technology and Cognition — GPA: 10.3/12.0
Thesis: *Tensor Networks for Language Modeling*.

Tianjin University   Sep 2017 - Jul 2021
B.A. in English (Linguistics track) — GPA: 3.72/4.0
Thesis: *Difference in Use of English Article System by Chinese and English Native Users Based on Semantic Wheel* (Outstanding Undergraduate Thesis).

ACADEMIC EXPERIENCE

"Privacy Lost" Project, University of Copenhagen   Jul 2023 - now
Research Assistant

Analyzed web tracking data (> 1 Tb) to unveil the evolution of commercial user surveillance, revealing the impact of political, economic, and demographic forces.

Data and Policy Summer Scholar Program, University of Chicago   Jul 2020 - Sep 2020
Student

· Enhanced statistical and R programming skills through two seven-week courses.
· Studied the correlation between revenue and territorial control in Afghanistan.

Acoustic laboratory, Tianjin University   Jun 2019 - Jun 2020
Project Assistant

· Assisted the project: "English Lexical Stress Production by Native Speakers of Tibetan."
· Used Praat to examine 2000+ English speech recordings from Chinese L2 learners.

National College Students Innovation and Entrepreneurship Project   Apr 2019 - Apr 2020
Team Leader

· Used statistical methods to analyze the translation strategies of martial arts novels (2 million words).

Social Science Methods and Research Training Program, Peking University Jun 2019 - Jul 2019
Student

· Learned statistics, probabilities, and R programming.

PUBLICATIONS

Yuqin Zhou, Zhan Su, Jakob Grue Simonsen, Benyou Wang, Qiuchi Li, Christina Lioma. 2023. *Towards Language Modeling Using Tensor Trains*. Preprints.
Zhan Su, **Yuqin Zhou**, Jakob Grue Simonsen, Benyou Wang. 2023. *Reinforced Queries using Pre-trained Language Models in Sparse Retrieval*. Preprints.

SKILLS

Programming Languages	Python, R, SQL, and Visual Basic.
Python Packages	PyTorch, JAX, Haiku, Flax, Jupyter, NumPy, NLTK, Scikit-learn, Matplotlib, Pandas, Matplotlib, and Numpy.
Software & Tools	Git, LaTeX, SPSS, Microsoft Suite, and Praat.
Languages	Mandarin Chinese, English, and German (intermediate).

COURSEWORK

Linguistics: Introduction to Linguistics, Language and Society, Stylistics, Syntax A and Syntax B.

Computer Science: Basis of College Computer Science, Fundamentals of Computer Software, Data Analysis in Public Policy, Introduction to R Programming, The Missing Semester of Your CS Education (self-studied), and Scientific Programming.

Mathematics: Introduction of Advanced Mathematics, Linear Algebra (self-studied), Multivariable Calculus (self-studied), and Introduction to Probability and Statistics (self-studied).

Natural Language Processing: Machine learning, Language Processing 1, Language Processing 2, Neural Information Retrieval, and Advanced Topics in Natural Language Processing.

Cognitive Science: Cognitive Science 1, Cognitive Science 2, and Cognitive Science 3.

PRIZES

Merit Student, 2018; Student Representative Prize for Outstanding Contribution, 2018; Advanced Individual of Volunteer Service, 2018; and Advanced Individual of Sports Activities, 2018.

WORK EXPERIENCE

China International Intellectech Corporation Consulting Ltd.   Jul 2019 - Sep 2019
Consultant Intern

· Used Excel to collect and clean data to provide talent review services to clients.
· Provided clients with individual career assessments and corresponding reports.