

# YUQIN ZHOU

Email: yuqin.zhou9@gmail.com — Homepage: yuqinzhou9.github.io

## 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* (12/12 and publication recommended).

### 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

---

### Graduate Research Assistant

Jul 2023 - now

*Department of Computer Science, University of Copenhagen*

- Analyzed web tracking data (> 1 Tb) in the "Privacy Lost" project to unveil the evolution of commercial user surveillance, considering the impact of political, economic, and demographic forces.

### Undergraduate Research Assistant

Jun 2019 - Jun 2020

*Acoustic laboratory, Tianjin University*

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

### Undergraduate Project Leader

Apr 2019 - Apr 2020

*National Undergraduate Training Programs for Innovation and Entrepreneurship, Tianjin University*

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

## SUMMER SCHOOLS

---

### Data and Policy Summer Scholar Program, University of Chicago

Jul 2020 - Sep 2020

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

### Social Science Research Summer Program, Peking University

Jun 2019 - Jul 2019

- 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

---

<b>Programming Languages</b>	Python, R, SQL, and Visual Basic.
<b>Python Packages</b>	PyTorch, JAX, Haiku, Flax, Jupyter, NumPy, NLTK, Scikit-learn, Matplotlib, Pandas, Matplotlib, and Numpy.
<b>Software &amp; Tools</b>	Git, LaTeX, SPSS, Microsoft Suite, and Praat.
<b>Natural Languages</b>	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, Introduction to Data Science, 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.

## HONORS AND AWARDS

---

Merit Student, Tianjin University	2017-2018
Student Representative Prize for Outstanding Contribution, Tianjin University	2017-2018
Advanced Individual of Volunteer, Tianjin University	2017-2018
Advanced Individual of Sports Activities, Tianjin University	2017-2018

## WORK EXPERIENCE

---

<b>Consultant Intern</b>	Jul 2019 - Sep 2019
<i>China International Intellectech Corporation Consulting Ltd.</i>	
<ul style="list-style-type: none"><li>· Used Excel to collect and clean data to provide talent review services to clients.</li><li>· Provided clients with individual career assessments and corresponding reports.</li></ul>	

## HOBBIES

---

Badminton (varsity player), Bicycling, Swimming, and Literature.