

## Wei Wang (王威)

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## RESEARCH INTERESTS

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The theory of logic, and the application of logic to computer science, linguistics, and philosophy.

*Current focus:* Strategic reasoning, model checking, formal semantics, team semantics.

*Broader interests:* Logic, linguistics, computer science, mathematics, philosophy.

*General interests:* (Natural and formal) languages, (mathematical and philosophical) abstraction, reasoning.

## EDUCATION

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**Tsinghua University**, Beijing, China  
PhD in Logic

Sep. 2023 – Now  
GPA: 4.0/4.0, Ranking: 1/104

**Stockholm University**, Stockholm, Sweden  
Visiting PhD Student  
Hosting Supervisor: Valentin Goranko

Dec. 2024 – Now

**Sun Yat-sen University**, Guangzhou, China  
Bachelor of Philosophy: Logic Major  
Thesis: *The Proof-theoretic Strength of Some Combinatorial Principles in the Context of First-order Arithmetic* (in Chinese, supervised by Wei Wang [王玮])

Sep. 2019 – June 2023  
GPA: 4.4/5.0, Ranking: 1/32

## PUBLICATIONS

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### *Articles in Proceedings*

1. Disjunction and Parentheses, in Jialiang Yan, Mingming Liu, Dag Westerståhl and Xiaolu Yang (eds.), *The Connectives in Logic and Language: Fourth Tsinghua Interdisciplinary Workshop on Logic, Language, and Meaning, TLLM 2024*. Springer, forthcoming. [with Jialiang Yan and Chen Ju]
2. Towards a Logical Approach to Recommendations, in B. Liao, J. Pang and T. Rienstra (eds.), *Logics for New-Generation AI 2024: Proceedings of the Fourth International Workshop, Hangzhou, 2024*, pp. 47–65. College Publications, 2024. [with Fenrong Liu and Sisi Yang]

## CONFERENCE PRESENTATIONS

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- 2024    1.    Towards a Logical Approach to Recommendations (joint work with Fenrong Liu and Sisi Yang). *The Fourth International Workshop on Logics for New-Generation Artificial Intelligence (LNGAI)*. Zhejiang University, Hangzhou, China.

## SELECTED HONOURS AND AWARDS

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- Friend of Tsinghua –Dongguan Talent Scholarship (Second Prize). Awarded by Tsinghua University, 2024.
- China Scholarship Council Scholarship. Awarded by the China Scholarship Council, 2024.
- Excellent Undergraduate Thesis. Awarded by the Office of Education Administration of Sun Yat-sen University, 2023.
- China National Scholarship. Awarded by the Ministry of Education of the People's Republic of China, 2022.
- Honorable Mention in the Mathematical Contest in Modeling. Awarded by the Consortium for Mathematics and its Applications, 2022.
- First Prize Scholarship for Excellent Students. Awarded by Sun Yat-sen University, 2022.
- First Prize in the Guangdong Provincial Competition of the Contemporary Undergraduate Mathematical Contest in Modeling. Awarded by the Department of Education of Guangdong Province and the China Society for Industrial and Applied Mathematics, 2021.
- Second Prize Scholarship for Excellent Students. Awarded by Sun Yat-sen University, 2021.
- China National Scholarship. Awarded by the Ministry of Education of the People's Republic of China, 2020.
- First Prize Scholarship for Excellent Students. Awarded by Sun Yat-sen University, 2020.

## WORK EXPERIENCE

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### *Teaching Assistance*

- **Tsinghua University**

1. Philosophical Logic (Taught by Fenrong Liu, Chenwei Shi, Valentin Goranko, Junhua Yu, Sonja Smets, and Alexandru Baltag). Spring of 2024.

### *Organizational Work*

- **Conferences**

1. The Third International Workshop on Logic and Philosophy. Tsinghua University, Beijing, China, 2024.
2. The Fourth Tsinghua Interdisciplinary Workshop on Logic, Language, and Meaning (TLLM IV). Tsinghua University, Beijing, China, 2024.

- **Seminars**

1. Tsinghua Logic Salon. Tsinghua University, Beijing, China, 2023 – Now.
2. Tsing Ch'a Session. Tsinghua University, Beijing, China, 2023 – Now.
3. Model Theory Seminar. Sun Yat-sen University, Guangzhou, China, 2021.

### *Internship*

- **Huawei Technologies Co., Ltd.**

*Computational Mathematics Group, Theory Lab, Central Research Institute, 2012 Lab*

Developed C++ libraries for solving sparse linear systems.

Mentor: Yichong Wu

Shenzhen, China  
Dec. 2022 – June 2023

### *Student Activities*

- **Tsinghua University**

*Core Member of the Department of Employment and Practice, the Youth League General Branch of the School of Humanities*  
July 2023 – June 2024

- **Sun Yat-sen University**

*Academic Representative of the Class of Logic Major 2019*  
Oct. 2021 – June 2023

*Person in Charge of the Department of Academic Communication, the Students' Union of the Department of Philosophy*  
Sep. 2020 – Oct. 2021

*Member of the Department of Academic Communication, the Students' Union of the Department of Philosophy*  
Sep. 2019 – Sep. 2020

## LANGUAGES

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Fluent in Chinese (Mandarin, Ningbonese, Shanghainese, Cantonese) and English.

- Mandarin and Ningbonese: Native.
- English: IELTS 8.5, CEFR C2.

Can read Classical Chinese and Japanese fluently.

## SKILLS

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- **Programming:** Familiar with C++, C (obtained Grade 2 (C Language) Certificate of the National Computer Rank Examination of China), and Python.
- **Computer networking:** Obtained Grade 3 (Network Technology) Certificate of the National Computer Rank Examination of China.