

# FEIYAN MA

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## EDUCATION

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**Tsinghua University**  
Undergraduate at Weiyang College  
Major in Mathematics and Physics

*Sep. 2021 - Jun. 2026 (expected)*

Overall GPA: 3.88/4.00

## SKILLS

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<b>Programming Language</b>	R, Python, L <sup>A</sup> T <sub>E</sub> X, C/C++ Chinese (native), English (TOEFL 108 [R30/L26/S23/W29]), French
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## RESEARCH INTERESTS

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I investigate various problems in network data analysis, with a focus on signed networks. My research interests include clustering, sign prediction, graphon estimation and , as well as analyzing algorithm properties and robustness.

Concurrently, I have been actively engaged in various statistical computational problems, which have wide-ranging applications in network modeling, such as matrix estimation, and so on.

My mind is open. If you have any ideas which we both might be interested in, feel free to reach out.

## RELEVANT COURSES

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### Core Courses

Probability Theory (1) (A+)  
Measures and Integrals (A)  
Abstract Algebra (A)  
Numerical Analysis (A)  
Advanced Mathematical Statistics I (A)  
Advanced Mathematical Statistics II (A-)  
Computational Probability (A)  
Linear Regression Analysis (A-)  
Intro to Optimization Theory (A-)  
Probability (2) (B+)

### Other Courses

Intro to Biostatistics (A)  
Topics in Logic (A)  
Reliability Data and Survival Analysis (A)  
Advanced Topics in Linear Algebra (A-)  
Financial Statistics (A+)  
Operation Research (A)  
Linear Algebra (A)  
Principle and Application of Database (A)  
Programming Fundamentals (A+)  
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## RESEARCH EXPERIENCE

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### Research Assistant

*Supervised by Prof. Weichi Wu*

Feb 2024 - Present

*DSDS, Tsinghua University*

- I investigate various problems in network data analysis, with a focus on graphon estimation.
- In preparation for **ICLR 2025**.

### Student Research Training

*Supervised by Prof. Chengli Zhu*

Nov 2022 - Aug 2023

*IE, Tsinghua University*

- Studied on classical statistical learning methods, including random forest, support vector machine, etc. Different methods were experimented to detect fraud employment information more accurately.

## HONORS & AWARDS

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<b>Honorable mention, 2024 Mathematical Contest in Modeling</b>	Feb 2024
<b>Gold Medal, The 19th China Girls Mathematical Olympiad (CGMO)</b>	Aug 2020
<b>First Prize, National High School Mathematics League, Shanghai Region</b>	Sep 2020

## SERVICES

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<b>Student Learning and Development Center</b>	Apr. 2023 - Present
<i>Assistant</i>	<i>Tsinghua University</i>

- Support students with difficulties (most in Mathematics) in daily learning by answering questions encountered in their learning process.
- Received the outstanding volunteer award in Spring 2023.

<b>Undergraduates Curriculum Advisory Committee</b>	Sep. 2022 - Aug. 2023
<i>Committee Member</i>	<i>Tsinghua University</i>

- Assist Undergraduate Academic Affairs Office in the routine teaching management.