

# SHI FENG

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## EDUCATION

**Tsinghua University**, Beijing, China 08/2019 – 07/2023 (expected)

*Institute for Interdisciplinary Information Sciences*

- Selected to Tsinghua Xuetang Special Pilot CS Class, directed by Prof. Andrew Yao.
- Admission given by *Gold Medal* in the National Olympiad of Mathematics 2018.
- Overall GPA: 3.85/4.00.
- Specialized courses with A or A+: Introduction to Artificial Intelligence, Calculus A(2), Abstract Algebra, Mathematics for Computer Science, Causal and Statistical Learning, Introduction to Databases, Theory of Computation.

**Wuhan No.2 High School**, Wuhan, China 08/2016 – 07/2019

*Olympic Competition Class*

- Member of the Chinese National Team of in Russian Mathematical Olympiad.
- Member of the Chinese Training Team of in International Mathematical Olympiad.
- Member of the Hubei Province Team in Chinese Mathematical Olympiad.

## AWARDS

- **Top Grade Prize of 39th Challenge Cup, Tsinghua University** 04/2021
- **Comprehensive Excellence Award, Tsinghua University** 10/2020
- **Freshman Scholarship, Tsinghua University** 10/2019
- **Silver Medal in Russian Mathematical Olympiad (eleventh grade group)** 04/2019
- **Chinese Mathematical Olympiad Gold Medal** 11/2018
- **First Prize in Chinese National High School Mathematics Contest** 10/2016, 10/2017, 10/2018

## RESEARCH INTEREST

My research interests are mainly causal inference theory, the application of causal inference in social network problems, machine learning, and online learning. Also, I am familiar with machine learning theory, including reinforcement learning and deep learning.

## PUBLICATIONS

### **Causal Inference for Influence Propagation – Identifiability of the Independent Cascade Model**

Shi Feng, Wei Chen.

Accepted by CSoNet 2021. [Link]

## EXPERIENCE

**Internet Graphics Group**, Microsoft Research Asia 10/2020 – Present

*Star of Tomorrow Internship Program*

- Topic: Social Network and Causal Inference.
- Mentor: Prof. Wei Chen.
- Understood and done surveys on documents related to identifiability, and rewrote the proof of do calculus completeness.
- Studied the identifiability problems in the independent cascade model and gave some results.
- Done some surveys on researches of causal bandits problems.

## SKILLS

- **Programming Languages:** Python, SQL, R, Mathematica, Verilog, Bash, HTML/CSS, C/C++ (ranked by proficiency).
- **Tools and Frameworks:** Git, L<sup>A</sup>T<sub>E</sub>X, PyTorch, Keras, Matplotlib, MySQL.
- **Languages:** Chinese (native language), English (fluent, 106 in TOEFL iBT).