

Shi Feng

(+86) 188-0135-2775 • fengs19@mails.tsinghua.edu.cn • LinkedIn

EDUCATION

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

Institute for Interdisciplinary Information Sciences (Yao Class)

- Selected to Tsinghua Xuetao Special Pilot CS Class, directed and founded by Prof. Andrew Yao.
- Admission granted from *Gold Medal* in Chinese Mathematics Olympiad 2018.
- Overall GPA: 3.85/4.00, Major GPA: 3.91/4.00, TOEFL iBT: 106 (R30, L27, S22, W27).
- 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 in Russian Mathematical Olympiad.
- Member of the Chinese Training Team in International Mathematical Olympiad.
- Member of the Hubei Province Team in Chinese Mathematical Olympiad.

AWARDS

- **Top Grade Prize of 39th Challenge Cup, Tsinghua University (top 6 in about 200 teams)** 04/2021
- **Comprehensive Excellence Award, Tsinghua University (awarded due to top 30% GPA in Yao Class and prominent comprehensive ability)** 10/2020
- **Freshman Scholarship, Tsinghua University (awarded to about 5% of students)** 10/2019
- **Silver Medal in Russian Mathematical Olympiad (Chinese national best in the 11th grade group until now)** 04/2019
- **Chinese Mathematical Olympiad Gold Medal (top 60 in 388 competitors)** 11/2018
- **Three First Prizes 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 as a full paper by CSoNet 2021. [arXiv Link]

EXPERIENCES

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 detailed surveys on documents related to identifiability, and rewrote a pellucid proof of completeness of the do-calculus algorithm. Solved the identifiability problems of the independent cascade model for some structures and gave groundbreaking results.
- Done detailed surveys on researches of causal bandits problems and put forward promising ideas.

SKILLS

- **Programming Languages:** Python, SQL, R, Mathematica, Verilog, Bash, HTML/CSS, C/C++ (ranked by proficiency).
- **Tools and Frameworks:** Git, L^AT_EX, PyTorch, Keras, Matplotlib, MySQL.
- **Languages:** Chinese (native language), English (fluent, 106 in TOEFL iBT).
- **Hobbies:** Soccer (member of the faculty soccer team), Movie, Traveling.