

*"A mathematician is a machine for turning coffee into theorems."
– Alfréd Rényi*

Education

Honors Program in Science (Tang Class)*

B.S. in Computer Science

GPA: 3.51 / 4.0, Rank: 25 / 27

Jilin University

2018–present

Research Interests

In General

Theoretical computer science and machine learning theory, with a focus on their intersections and designing efficient algorithms with theoretical guarantees.

In Particular

- Sublinear algorithms and communication complexity-derived lower bounds
- Online learning and online optimization
- Beyond worst-case analysis and learning-augmented algorithms
- Algorithms design using tools from modern mathematics

Research Experience

Smoothed Online Convex Optimization in Cloud Resource Provisioning

Advisor: Shang Gao

Jilin University

2021.2–present

Adversarially Robust Sampling and Streaming Algorithm

Advisor: Still looking for

Jilin University

2021.5–present

Publications

I believe it will come in the near future.

Languages

English: Fluent, with CET-4 (607) and CET-6 (509)

Chinese: Native

More Info

Homepage: yilin-yan.github.io

*Honors Program in Science of Jilin University belongs to national plan led by Chinese Ministry of Education. Through strictest assessment and ranking, no more than 100 excellent students are selected from more than 10,000 undergraduate students in Jilin University every year, and every selected student receives the highest-level and strictest academic training in one of five tracks of basic sciences, including *mathematics, physics, chemistry, biology and computer science*.