

# Likun Ni

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Southern University of Science and Technology, Shenzhen, China (518055)

## Research interests

Network science, Complex network, Machine Learning, Data Science

## Education

2022 – Present     **Southern University of Science and Technology** – Shenzhen, China  
Undergraduate  
Mentors: Professors Yifang Ma  
GPA: 3.45/4.00.  
Major: Statistics, Department of Statistics and Data Science

## Selected coursework

- *Introduction to Data Science*: This course uses a combination of theory and practice to help students fully understand the basic tools, theories and methods in data science, including: mathematical theories and common methods in data science; analysis and visualization of different data types; complex data cleaning, dimensionality reduction and modeling, etc.
- *Network Science and Computings(studying)*: The course aims to guide students to fully understand the emerging science of complex networks, the related methods and their applications. Develop the concept of network science and data science and the capability to solve real problems by utilizing related network analysis software or programming.
- *Selected Topics in Frontiers of Statistics I(studying)*: This course introduces some basic theories and algorithms of graphical models and their applications in the Internet, social media, recommendation systems, biology and other fields. This is a course with distinctive interdisciplinary characteristics. Mathematical methods will involve graph theory, generating function, branching process, Bayesian network, factor graph, cavity method, percolation, phase transition, information theory, machine learning, big-data, etc.

## Honors and scholarships

- 2023     The Mathematical Contest in Modeling  
*Successful Participant.*
- 2023     National College Student Statistical Modeling Competition  
*Provincial Third Prize.*
- 2023     Contemporary Undergraduate Mathematical Contest in Modeling  
*Provincial Third Prize.*

## Research experience

- October,2023 –     **Study in my mentor's research group**  
Present     Mentors: Prof. Yifang Ma, Department of Statistics and Data Science  
Learned articles about network science, social network,etc. And I'm now currently researching topics related to top scientists' citation network under my mentor's guidance.
- November,2023     **Analysis of Papers and Their Citations from the Top Four Statistical Journals:**  
– January,2024     **through S-field Pentagon Method**  
Mentors: Prof. Yifang Ma (course project)  
This project investigates the papers from four leading statistical journals with a focus on the distribution of articles, citation networks and temporal dynamics.  
For more information: [here](#).

## Technical skills

### Programming languages

Proficient in: Python

Familiar with: Java, R

### Software

L<sup>A</sup>T<sub>E</sub>X, Gephi

### Languages

English (fluent), Japanese (JLPT-N2), Chinese (mother tongue)

## Others

I am very passionate about scientific research. Despite being an undergraduate student, I am determined to apply for a **Ph.D.** after graduation.