

# SUNNY HO

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Research interest: text mining, social computation, machine learning, data science, network science.

## EDUCATION

M. Sc., Statistics & Data Science, **Southern University of Science and Technology(SUST)**  
GPA: 3.45/4.5

Shenzhen, China  
2021.9 - ongoing

B. Sc. - Statistics, **Shenzhen University**  
GPA: **4.15**/4.5, ranking **1**/45.

Shenzhen, China  
2017.9 - 2021.6

## RESEARCH EXPERIENCE

### Scientific Mobility and Change of Research Interest Based on Semantics

Master thesis, supervised by assistant professor [Yifang Ma](#)

Shenzhen, China  
2022.7 - on going

Bored the rules of how the trajectories of scientists influence their research interests based on the information about papers, authors, and affiliations, through both text and network analysis.

### Short Text Clustering Based on Word2vec Model

Bachelor thesis, Supervised by associate professor [Songchen Li](#)

Shenzhen, China  
2020.11 - 2022.5

Compares the performance of Word2vec-base clustering methods to those of the traditional topic model in clustering paper titles.

### Health Information Recommendation Decision Based on Machine Learning

Leader of a funding project, Supervised by associate professor [Yingjue Fang](#)

Shenzhen, China  
2018.11 - 2020.5

Designed neural network models to distinguish the health news from the news on other topics.

## COURSE PROJECT

### Statistical Graph Models on Community Detection

Instructor: associate professor [Qingyan Hu](#)

Shenzhen, China  
2022.2 - 2022.6

Detected communities in the binary network based on the probability model.

### High Dimensional Statistics on Square-root LASSO

Instructor: associate professor [Zeng Li](#)

Shenzhen, China  
2022.2 - 2022.6

Derive Conic Programming and CCD algorithm to solve the square-root LASSO.

### Categorical Data Analysis on American National Election Survey

Instructor: associate professor [Xiyun Jiao](#)

Shenzhen, China  
2022.2 - 2022.6

construct GLMs to select of the significant factors influencing the vote based on AIC.

## HONOR

**Outstanding Graduate in Shenzhen University**  
**First Prize Scholarship in Shenzhen University**

2021  
2018-2021

## TEACHING EXPERIENCE

Network Science and Computing, Teaching Assistant, SUST.  
Bayesian Statistics, Teaching Assistant, SUST.

2022.2 - 2022.6  
2022.2 - 2022.6

## RESEARCH INTEREST, LANGUAGE AND SKILL

Languages: CET-6 532, Chinese (Mandarin, Cantonese).  
Skills: Python, R, Latex.