

# Likang LI

lilikang@uic.edu.cn

Department of Statistics and Data Science, BNU - HKBU United International College

## RESEARCH INTERESTS

---

Bayesian Deep Learning and its application in LLMs & Medicine, Statistical Software Development, Medical data analysis

## EDUCATION EXPERIENCE

---

**BNU - HKBU United International College(UIC)** 2022.9 — 2024.7  
Master of Philosophy in Probability and Mathematical Statistics  
Supervisor: Prof. Jianxin PAN

**BNU - HKBU United International College(UIC)** 2021.9 — 2022.7  
Master of Arts in Artificial Intelligence & Digital Media Concentration (**Distinction**)

**Henan University** 2016.9 — 2020.6  
Bachelor - Network Engineering

**Beijing International Center for Mathematical Research(BICMR)** 2023.7  
Summer School on Theoretical Statistics

## WORK EXPERIENCE

---

**Alibaba** Beijing  
*Software Engineer* 2020.7 — 2021.8

**Red hat** Beijing  
*Software Engineer Intern* 2018.6 — 2018.8

**BNU - HKBU United International College** Zhuhai  
*Teaching Assistant* 2022.9 — 2024.7

## RESEARCH EXPERIENCE

---

### Statistical Software

BD Regularization-Based Precision Matrix Estimation for Ultra-High-Dimensional Data: An R Package Implementation.

- First author.
- Completed, pending submission.
- It will be uploaded to CRAN and applied for patent later.

### Journal paper

Semiparametric Estimation of Mean and Variance in Generalized Estimating Equations. *Reviewed*

- *Journal of Multivariate Analysis*
- The third author.

### Conference paper

Study on depressive symptom trajectories based on heterogeneous statistical learning *Received*

- *2024 9th International Conference on Biomedical Signal and Image Processing (ICBIP 2024)*
- The second author

### Software copyright

Urban Hotspot Spatial Influence Analysis System Based on Emotion Computing *Reviewed*

- *Copyright Protection Center of China*
- Co-First Author

## PROJECTS

---

**Medical data analysis & processing of plaque** Zhuhai  
*Main finisher* 2023.12 — 2024.4

- According to the requirements of doctors and teachers, the data from The Fifth Affiliated Hospital, SYSU were processed.

**Expansion based on GS algorithm and application in specific scenarios**

Zhuhai

*Main finisher*

2021.10 — 2021.12

- Through the improvement of GS algorithm, the algorithm performance can be improved in specific scenarios.

**AWARDS**

---

**First class scholarship**

BNU-HKBU United International College Graduate School

2021 — 2022

**Merit Student**

Henan University

2017 — 2018

**SKILLS**

---

- **Programming:** Python, R, C, C++, Rust, Julia, PyTorch, TensorFlow, etc
- **Software:** Latex, Linux, Quarto, Markdown, Office, etc
- **Soft Skills:** Self learning, Running & Swimming(weight loss of 20kg during Mphil)