

# Shenming Ji

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## Education Experience

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**Xi'an Jiaotong-Liverpool University**

Sep. 2021 - Jun. 2025

B.S. Information and Computing Science

## Research Experience

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**SUMMER UNDERGRADUATE RESEARCH FELLOWSHIPS PROGRAM**

Jun. 2023 - Sep. 2023

*Research fellow*

**Project name:** *Investigating the effect of collaboration patterns on bilibili's video performance and creator's individual growth*

- Around 37k video data for six months (Dec. 2022-Jun. 2023) and 43k involved creators data were collected.
- After processing the data sets, we applied Python to construct the network of collaboration videos, and the cross-sectional data from collaboration videos were also prepared for regression analysis.
- Identified the structure hole and analyzed the network and U-shaped graph.
- The results provided insights into how creators on Bilibili can best collaborate to create successful videos.

## Professional Experience

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**Yalong Intelligent Equipment Co., LTD**

Jan. 2024 - Feb. 2024

*Intern of front-end Group*

**Program name:** *Yalong Order Management System*

- Mastered front-end knowledge such as HTML, CSS, and JavaScript and worked on real-life cases independently.
- Cooperated with interns in the same team to complete the sub-project of Yalong Order Management System.

## Project

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**Patients Classification** | *Python, MATLAB*

Feb. 2023 - Apr. 2023

- Designed a classifier to classify health status of patients, according to the mark earned for 15 questions.
- Extracted data features and made the dimensionality reduction of the given dataset.
- Built 3 classifiers in a supervised way and recommended one classifier among the 3 candidate classifiers.
- Classified patients to different groups in an unsupervised manner and justified the final classification.

## Extracurricular Activities

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**Team member** of school robot team (join RoboMaster University Championship held by DJI)

Sep. 2021 - Jun. 2022

**Programmer** at American College Students Mathematical Contest in Modeling.

Feb. 2023

## Skills

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**Programming:** C/C++, Python, Java, JavaScript, HTML/CSS, SQL,  $\text{\LaTeX}$

**Languages:** Mandarin, English( IELTS: 6.5 (7.5 7 6 6))

**Tools:** Figma, VS Code, IntelliJ PyCharm/IDEA, MATLAB, MySQL, SPSS