

Shenming Ji

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Education Experience

Xi'an Jiaotong-Liverpool University

Sep. 2021 - Jun. 2025

B.S. Information and Computing Science

Research Experience

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

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

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

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

Sep. 2021 - Jun. 2022

Programmer at American College Students Mathematical Contest in Modeling.

Feb. 2023

Skills

Programming: C/C++, Python, Java, JavaScript, HTML/CSS, SQL, \LaTeX

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

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