HONGYU WANG

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EDUCATIONAL BACKGROUND

Xi'an Jiaotong-Liverpool University   **Suzhou, China**
BSC INFORMATION AND COMPUTER SCIENCE   Sept.2020 – Jun.2024

- ***Core Modules***: *Linear Algebra, Calculus, Multivariable Calculus, Computer Systems, Introduction to Databases, Java Programming, Discrete Mathematics and Statistics, Data Structures, Operating Systems Concepts, Algorithmic Foundations and Problem Solving, Artificial Intelligence, Computer Network, Computer Graphic*

PROJECT EXPERIENCE

Library Violation Personnel Management System based on Java Programming   *Nov.2021 – Dec.2021*
Xi'an Jiaotong-Liverpool University

- Learn basic data structure and basic algorithms based on Java
- Understand and be able to use Java I/O to read and write CSV files
- Basic learned Java.awt, and use it to generate a graph with a person's information

A Simple Database for Epidemic Prevention and Control based on GPS   *Nov.2021 – Dec.2021*
Xi'an Jiaotong-Liverpool University

- Learn basic SQL language, and learning how to extract information from a text and set up the corresponding database
- Use IDEA to set up the MySQL environment
- Wrote a project report on how to establish and improve the database, and used more than 30 cases to analyze and verify.

Imperial Data Science Online Summer School   *Jul.2022 – Aug.2022*
Imperial College London

- Learn basic machine learning algorithms and method to improve the performance of a model.
- Using U-Net to build and train the model for brain tumors' recognition and classification after enhancing the original data.

Algorithmic biases in EDM(Education Data Mining)   *Jul.2022 – Aug.2022*
NC State University

- Analyze the influence of different data preprocessing methods and models' selection on the accuracy and fairness for predicting the students' learning outcomes.
- Comparing different experiment result, evaluate the methods to improver models or algorithms performance.

EXTRACURRICULAR ACTIVITIES

- **Online Course**
  - **CSDN:** *Unreal Engine Animation System, Java SE, Basic Python*
  - **Bilibili:** *MySQL, Assembly Language, Data Structures and Algorithms, Unreal Engine*

Skills

- Proficient in English and Mandarin in professional practice
- Good communication skills in teamwork and cooperation
- Have strong willingness to learn new knowledge
- Skills in creative thinking