

He Zhongmou

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Objective

- Applying for **Data Science** program in College of Engineering at University of Michigan.
- I want to learn how to extract valuable knowledge from huge amounts of data to solve actual problems.

Education

BACHELOR | 09/2021 - 09/2025 | SHANGHAI JIAOTONG UNIVERSITY

- **Major:** Electrical and Computer Engineering

Experience & Activities

RESEARCH ASSISTANT

- **Organization:** Research group of Prof. Wang Xinbing
- **Location:** 300 Dongming Rd., Shanghai, China
- **Dates:** 04/01/2022 - 06/01/2023
- **Description:** I am currently participating in a research on the construction of language model and knowledge graph in the field of geoscience.

MULTIMODAL SINGLE-CELL INTEGRATION COMPETITION

- **Organization:** Kaggle Inc.
- **Dates:** 09/01/2022 – 11/16/2022
- **Description:** Competitions on kaggle.com mainly examines the data analysis and data mining ability of participants. Through feature engineering, data compression, modeling, and ensemble, two of my submissions achieved the silver medal standard.

UNIVERSITY PHYSICS COMPETITION

- **Organization:** University Physics Competition
- **Dates:** 11/04/2022 – 11/07/2022
- **Description:** The UPC is an international contest for undergraduate students to analyze a real-world scenario using physics knowledge and write a formal paper as team. I was mainly responsible for the collection, processing and visualization of data.

CHINA UNDERGRADUATE MATHEMATICAL CONTEST IN MODELING

- **Organization:** China Society for Industrial and Applied Mathematics
- **Dates:** 09/15/2022 – 09/18/2022

- **Description:** I was mainly responsible for building explicable machine learning models (such as decision tree, k-means) for prediction and classification and evaluating the quality of results by statistical means.

ZHUFEI PROJECT

- **Organization:** Shanghai Jiaotong University
- **Dates:** 07/09/2022 – 08/25/2022
- **Description:** Zhufei Project aims helping freshmen with financial difficulties by sending students to visit them at home explain the financial aid policy of SJTU, describe the campus life and answer their questions.

Awards & Honors

- **2022 Chuntsung Scholarship:** Financial support for undergraduate students participating in basic research. Only 10 students out of 40 can get this award.
- **2022 "Story Dance" Writing Competition Third Prize**
- **2022 Undergraduate Excellent Scholarship of SJTU**
- **2021 Puyuan Future Talent Scholarship:** Puyuan Future Talent Selection Camp was a winter program held by our college. Qualified participants will be granted with this honor.
- **2021 Excellent Freshman Scholarship of Joint Institute:** The full scholarship of Joint Institute (75,000 CNY/year), aiming to reward outstanding students with top grades.
- **2020 National Olympiad in Informatics in Provinces Second Place**

Skills & Abilities

- **COMPUTER SCIENCE:** Extensive working knowledge of **Python and C/C++**. I use Python as my major programming language in my research program and use C++ as my major programming language in National Olympiad in Informatics.
- **ENGISH:** TOFEL (107/120)
- **AI & DATA MINING:** I have much experience applying ML/DL technologies in data mining. I participated in several data mining competitions online.
- **CREATIVITY:** I prompted several creative and useful ideas during my participation in the aforementioned NLP research.
- **LEADERSHIP:** I was the leader in several aforementioned team competitions and performed well in organizing and assigning tasks.
- **RESPONSIBILITY:** I have strong awareness of social responsibility and desire to help those in need with my knowledge.