# Yuzheng Wu

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## Education

09/2022-Present(Expect 06/2026) **Barchelor Degree**, *Fudan University*, School of Data Science, GPA:3.83 Ranking:3/55

09/2019-06/2022 **High School**, *Shanghai Experimental School*

09/2016-06/2019 **Junior School**, *Shanghai Experimental School*

## Major Courses

Mathematics: Mathematical Analysis, Advanced Linear Algebra, Probability Theory, Numerical Algorithms, Optimization Methods, Fundamentals of Statistics, Regression Analysis, Statistical Computation, Statistical (Machine) Learning, Stochastic Processes (currently in progress)

Computer Science: Programming, Data Structures, Computer Architecture, Database Implementation, Artificial Intelligence, Image Processing and Visualization, Neural Networks and Deep Learning (currently in progress), Computer Vision (currently in progress)

## Research and Rewards

### Research Experience

2024 Participated in the school' s Grips project and completed a method to predict biological functions using protein sequences. This method involved using the KNN machine learning algorithm along with the pre-trained protein language model esm2 to embed proteins as vectors, which were then used as inputs for a neural network to train a classification model.

2024 In a course project, designed a movie management database along with a simple frontend. More details can be found at:https://github.com/chainruleysfj/database

### Awards

2023-2024 Second Prize in the Undergraduate Scholarship

2022-2023 Third Prize in the Undergraduate Scholarship

2024 Second Prize in the China Undergraduate Mathematical Contest in Modeling (Shanghai)

2023 Third Prize in the Chinese Mathematics Competitions (Shanghai)

## Additional Information

**Tools** C/C++, Python, Pytorch, R

**English Proficiency** CET-4 score: 629, TOEFL score: 112

## Research Interests

During my studies, I have been exposed to a wide range of mathematical and computer science knowledge, which has laid a solid foundation for exploring cutting-edge fields for me. Inspired by the rapid development of large-scale models and technology, I am deeply interested in the fundamental theories of machine learning, deep learning, and human-computer interaction, and I continuously keep abreast of the latest applications. Artificial intelligence relies not only on engineering innovation but also on theoretical breakthroughs; therefore, I am very eager to leverage my strong foundation in mathematics and science to contribute to research in these areas.

## Personal Interests

Sports: Fitness, football, etc. Enjoy listening to music and watching anime