

# Ziyue Zeng

ARTIFICIAL INTELLIGENCE MAJOR · UNDERGRADUATE

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## Education

### CQU(Chongqing University)

B.S. IN ARTIFICIAL INTELLIGENCE

• Grade Point: 3.37/4. (End of junior year)

• Relating courses: C++ (90/100), Linear algebra (91/100), Mathematical model (93/100), Data Structure and Algorithms (90/100), Machine learning (90/100), Deep learning (93/100), Data mining (90/100), Computer graphics(90/100), Statistic analysis (90/100).

Chongqing, China

Sep. 2020 - Jul. 2024

### Waseda University

EXCHANGE STUDENT PROGRAM - SCHOOL OF FUNDAMENTAL SCIENCE AND ENGINEERING

• Weighted average: 90.5

Tokyo, Japan

Apr. 2023 - Aug. 2023

## Skills

**Ability** Programming, Literature search and reading, Data processing, Academic writing, Pytorch

**Programming** C, C++, Python, JAVA, LaTeX, MATLAB, Spss

**Languages** English, Chinese, Japanese (JLPT N4)

## Experience

### Undergraduate Research, Information Processing and Intelligent Systems Research Laboratory (Prof. Fuyuan Xiao)

RESEARCH ASSISTANT

- Conduct research on D-S Evidence Theory and propose relevant divergence measures and application algorithms.
- Design experiments using Python and perform data processing.
- Finished two papers as the first writer.

Chongqing, China

Mar. 2021 - Jul. 2024

### CCCC Highway Planning and Design Institute

DATA PROCESSOR (GEODETIC DATA PROCESSING)

- Use python, C++ and related packages to process bridge measurement data and perform error calculations.

Beijing, China

Aug. 2023 - Jan. 2024

### Chongqing University, School of big data & software engineering

STUDENT RESEARCH TRAINING PROGRAM

- Participate in the project of "Prediction of Traffic Conditions in Universities Based on LSTM".

Chongqing, China

Jan. 2021 - Feb. 2022

## Publication

### A Generalized Hellinger Distance for Multisource Information Fusion and Its Application in Pattern Classification

CO-FIRST AUTHOR

- A generalize Hellinger distance is suggested and a novel multisource data fusion algorithm is proposed and it is used to classify Iris datasets.
- I am responsible for the writing, drawing, data processing, experiments and revision of the article.

Computational and Applied Mathematics

Impact factors:2.6

### A new complex belief entropy of $\chi^2$ divergence with its application in cardiac interbeat interval time series analysis

CO-FIRST AUTHOR

- The new complexity measurement algorithm is applied to distinguish the complexity of cardiac interbeat interval time series and is validated to be effective.
- I am responsible for the writing, drawing, data collection and preprocessing, experiments and revision of the article.

Chaos, Solitons and Fractals

Impact factors: 7.8

## Future Plans

2024- **Looking forward to further study and research**, I am very interested in the direction of artificial intelligence, especially deep learning, and look forward to the research being fruitful.

To be continued