

Ziyue Zeng

ARTIFICIAL INTELLIGENCE MAJOR · UNDERGRADUATE

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Education

CQU(Chongqing University)

Chongqing, China

B.S. IN ARTIFICIAL INTELLIGENCE

Sep. 2020 - Jul. 2024

- 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).

Waseda University

Tokyo, Japan

EXCHANGE STUDENT PROGRAM - SCHOOL OF FUNDAMENTAL SCIENCE AND ENGINEERING

Apr. 2023 - Aug. 2023

- Weighted average: 90.5

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)

Chongqing, China

RESEARCH ASSISTANT

Mar. 2021 - Jul. 2024

- 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.

CCCC Highway Planning and Design Institute

Beijing, China

DATA PROCESSOR (GEODETIC DATA PROCESSING)

Aug. 2023 - Jan. 2024

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

Chongqing University, School of big data & software engineering

Chongqing, China

STUDENT RESEARCH TRAINING PROGRAM

Jan. 2021 - Feb. 2022

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

Publication

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

Computational and Applied Mathematics

CO-FIRST AUTHOR

Impact factors:2.6

- 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.

A new complex belief entropy of χ^2 divergence with its application in cardiac interbeat interval time series analysis

Chaos, Solitons and Fractals

CO-FIRST AUTHOR

Impact factors: 7.8

- 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.