

Jiazhen GUO

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EDUCATION

Zhejiang University

B.E. in Information Engineering

Hangzhou, China

Sep 2017 – Jun 2021

- **GPA:** 3.90/4.00 (88.4/100) **Rank:** 18/146
- **Coursework includes:** Digital Signal Laboratory (4.8/5.0), Digital Signal Process (4.8/5.0), Digital Signal Process (5.0/5.0), Computer Organization And Design (4.8/5.0), Data Analysis And Algorithm Design (4.8/5.0), Signals and Systems (4.5/5.0), Matrix Theory (4.5/5.0), Information Control And Computation (4.5/5.0), Stochastic Process (4.5/5.0)
- **Minor Coursework includes:** Fundamentals of Data Structure, Discrete Mathematics, Introduction to computing systems, Mathematical Modeling, Computer Vision, IoT System Design.

RESEARCH EXPERIENCE

Zhejiang University (Department of Information Science & Electronic Engineering)

Hangzhou, China

Research Assistant to Prof. Chunguang Li

April 2019 – Present

Hash Learning Based On Deep Neural Network and its Application in Image Retrieval

- Proposed an end-to-end deep model learns compact and efficient hash code for nearest neighbor search.
- Presented a novel strategy transforming the discrete optimization problem in learning binary code into a continuous optimization problem without relaxations and improved the performance of the model.

Zhejiang University (Department of Information Science & Electronic Engineering)

Hangzhou, China

Research Assistant to Prof. Guanding Yu

September 2019 – Present

Network Based Deep Learning Algorithm for NP-Hard Problem

- Utilizing the strategy based on Reinforcement Learning to tackle Combinatorial Optimization Problems.
- Still working on utilizing pointer-network and other architecture to tackle Combinatorial Optimization Problems.

SELECTED AWARDS AND HONORS

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| • National Scholarship (Official Honor of the Highest Level) | 2018 |
| • Zhejiang University First Class Scholarship | 2018 |
| • Outstanding Student | 2018 |
| • Excellent Academic Pacesetter | 2018 |
| • Public service Pacesetter | 2018 |
| • Social work pacesetter | 2018 |
| • Zhejiang University Third Class Scholarship | 2019 |

SELECTED COURSE PROJECT

A Intelligent Home Temperature and Humidity Detection System | Zhejiang University

February 2019 – Junet 2019

Course: *IoT System Design*

- Front-end web development based on umijs+anttd+dva, presenting the current temperature and humidity detected by the hardware terminal.
- Back-end developing based on MySQL, Retrieve data from the cloud based on aliyun.
- Embedded programming based on AIOKIT, sending the detected data to the cloud.

ADDITIONAL INFORMATION

Additional Professional and Extracurricular Experiences

- Python, C/C++, MATLAB, Verilog
- PyTorch, Tensorflow ,Linux

Interests

- Basketball, Riding, MandoPop

ENGLISH PROFICIENCY CERTIFIVAT

TOEFL: 99

LEARNING AND RESEARCH INTENSION

- I'd like to engage in some work about ML and DL.