Hejun Wang

GPA:3.90/4.0 Rank:29/118

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Biography

I am a highly experienced **Deep Learning** investigator with over **1 years of experience** in **Autonomous Vehicle** and have an EI paper with me as the first author. I have rich knowledge of popular frameworks such as **Pytorch, Tensorflow**. Furthermore, I am a skilled **Embedded System** engineers. **Embodied AI** that senses from **real world**, thinks in **real-time** and actuates upon **real things** always interests me.

Awards

- Academic Excellence Award 2021
- Third Class Scholarship of Zhejiang University 2021
- Academic Excellence Award 2022
- Third Class Scholarship of Zhejiang University 2022
- 2022 Third Prize for National Mathematical Modelling Competition
- 2022 Third Prize for National Mathematics Competition

Education

Zhejiang University, Chu Kochen Honors College Hangzhou, Zhejiang, China
Undergraduate of Cyber-system and Control *Sep 2020 – Present*

Project

Quantum Error Correlation Feb 2022 – Jun 2022
Supervisor: Xi Wan, Email: xinwan@zju.edu.cn *Zhejiang University, Hangzhou, Zhejiang, China*

- Simulate the application of Shor code in **Quantum-Bits Transformation**.
- Based on the **Toric Code**, an algorithm is designed to correlate random errors in quantum computing.
- Design an effective scheme to reduce the error rate of quantum computing.

Provincial Innovation Programme of Zhejiang Province Mar 2022 – Jun 2023
Supervisor: Xiong Rong, Email: rxiong@zju.edu.cn *Zhejiang University, Hangzhou, Zhejiang, China*

- Put forward a novel **representation for continuous trajectory** of **Fourier Series**.
- Propose an effective and efficient hierarchy of **end-to-end** autonomous vehicles.
- Achieve **state-of-the-art performances** both in simulations and real world.

LiDAR Data-shift from clear weather to adverse weather Jul 2023-Present
Supervisor: Yue Wang, Xiong Rong, Email: ywang24@zju.edu.cn, rxiong@zju.edu.cn *Zhejiang University, China*

- Simulate how **adverse weather** affects on **LiDAR perception**.
- Apply **data-driven methodology** into augmentation of LiDAR dataset.
- This research is on-going.

Publication

Knowledge Distillation On Driving Intention Generator:Learn Human-like Reasoning Source Code

- Introduce **Knowledge Distillation** for human-like semantic reasoning
- Promote the **robustness** and **adaptability** to adverse application scenarios
- Illustrate the latent mechanism under the distillation