

# XUNZHE ZHOU

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## ABOUT

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- I have spent two wonderful years of study in the field of Artificial Intelligence following my research interest, including one semester of exchange at UC Berkeley.
- I've developed a particular interest in Embodied AI, on which I have gained several research experiences in NLP, CV and Robotics, having published one paper at **AAAI 2024**.
- I would love to advance my understanding of robotics further, through PhD study with an expert at a remarkable institution.

## EXPERIENCES

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*Jan 2024 - Now*

### → ROBOTICS MOTION PLANNING

School of Computer Science, Fudan University

- *Supervisor: Prof. Xiangyang Xue*
- We study to enhance the motion planning performance of robotics tasks with vision-language foundation models.
- I am now writing survey and basecode for the model.
- I also participate in Vision Language Models Hallucinations research recently.

*Aug 2023 - Dec 2023*

### → STUDY AT UC BERKELEY

- Study Deep Learning, Optimization Models, Artificial Intelligence and get GPA 4.0.
- Shortly work with Prof. Jiantao Jiao and Dr. Baihe Huang.
- Propose a pre-trained Nural Style Transfer (NST) model.

*Jun 2023 - Aug 2023*

### → LARGE LANGUAGE MODELS EVALUATION

School of Computer Science, Fudan University

- *Supervisors: Prof. Yanghua Xiao, Dr. Qianyu He*
- We propose CELLO, a benchmark for evaluating LLMs' ability to follow complex instructions systematically.
- My works include writing code for evaluators and scorers parts, creating data and evaluating LLMs.
- I was also responsible for writing the proposal for the paper, which has been accepted by **AAAI 2024**.

*Sep 2022 - Now*

### → DIGITAL TWINS OF NONLINEAR DYNAMICAL SYSTEMS AND CONTROL

Academy for Engineer and Technology, Fudan University

- *Supervisor: Siyang Leng, Young Principal Investigator*
- We study the performance of control on digital twins.
- Under the supervision of Prof. Leng, I construct the code of Echo State Network as the digital twins, read a lot of related papers, do experiments on the control of the digital twins and gain significant success.
- I am now working on the paper publication.

## EDUCATION

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*2020 - 2024*

FUDAN UNIVERSITY

Bachelor of Science in Computer Science and Technology

*Fall Semester 2023*

UNIVERSITY OF CALIFORNIA, BERKELEY

Berkeley Global Access (BGA) Program

## PUBLICATION

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[1] Qianyu He, Jie Zeng, Wenhao Huang, Lina Chen, Jin Xiao, Qianxi He, **Xunzhe Zhou**, Lida Chen, Xintao Wang, ... & Yanghua Xiao. Can Large Language Models Understand Real-World Complex Instructions?. Accepted by **AAAI 2024**.

\* Honored to be the only undergraduate author

## CERTIFICATIONS

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*Sep 2021*

SECOND PRIZE OF THE SCHOLARSHIP

Outstanding Students at Fudan University

*Sep 2019*

THE SECOND AWARD

National High School Mathematics League

*Nov 2016*

HONOR ROLL OF DISTINCTION CERTIFICATE

The Mathematics League

## REFERENCE

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Executive Director |

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