NATURAL LANGUAGE PROCESSING /
COMPUTER VISION / ROBOTICS

XUNZHE ZHOU

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ABOUT

- 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

Jan 2024 - Now

→ ROBOTIC 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, Artifitial Intellegence and get GPA 4.0.
- Shortly work with Prof. Jiantao Jiao and Dr. Baihe Huang.
- Propose a pre-trained Nueral 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.

Nov 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- I am proud to be the co-first author of the unpublished paper.

EDUCATION

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

[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

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

YANGHUA XIAO

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XIANGYANG XUE

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