Zun Wang

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Education

The Australian National University, Canberra, Australia **Jul 2020 – Jun 2023**

Master of Machine Learning and Computer Vision

GPA: 7.0/7.0 | WAM: 91/100

University of Science and Technology of China, Hefei, China **Sep 2015 – Jun 2019**

Bachelor of Mathematics and Applied Mathematics

Specialization in Probability and Statistics

Research Experience

Shanghai AI Laboratory, VideoINTERN Group, Shanghai, China **Mar 2022 – present**

Research Intern – Led by Dr. Yi Wang and Prof. Yu Qiao

- Topics: Video Understanding, Vision-and-Language Navigation.
- Achieves new SoTA performance on the VLN-CE benchmark by enhancing navigation agent with history videos.
- Won both channels of the REVERIE Challenge in CSIG 2022 among 50+ international teams.

Shanghai AI Laboratory & Sensetime, AGI Group, Shanghai, China **Dec 2021 – Mar 2022**

Research Intern – Led by Dr. Jing Shao

- Topics: Embodied AI.
- Won the RxR-Habitat Competition in Embodid AI Workshop @ CVPR 2022. We improve SoTA performance from 37% to 55%.

The Australian National University, Canberra, Australia **Mar 2021 – Dec 2021**

Research Student – Supervised by Prof. Stephen Gould

- Topics: Vision-and-Language Navigation.
- Projects on discrete-to-continuous Vision-and-Language Navigation (accepted by CVPR 2022).

Publications

1. Bridging the Gap Between Learning in Discrete and Continuous Environments for Vision-and-Language Navigation

   Yicong Hong*, **Zun Wang***, Qi Wu and Stephen Gould

   CVPR 2022

Techical Reports

1. Techical Report for REVERIE Challenge (CSIG 2022)

   Zun Wang, Yi Wang, Yinan He and Yu Qiao

   CSIG 2022

2. 1st Place Solutions for RxR-Habitat Vision-and-Language Navigation Competition (CVPR 2022)

   Dong An*, **Zun Wang***, Yangguang Li, Yi Wang, Yicong Hong, Yan Huang, Liang Wang and Jing Shao

   arXiv 2022

Contests

CSIG 2022, REVERIE Challenge channel 1 & channel 2, **1st places, 14800 USD Bonus** **Aug 2022**

Zun Wang, Yi Wang, Yinan He, Yu Qiao

CVPR 2022 Embodied AI Workship, RxR-Habitat Competition, **1st place** **Jun 2022**

Dong An*, **Zun Wang***, Yangguang Li, Yi Wang, Yicong Hong, Yan Huang, Liang Wang, Jing Shao

Academic Activities

- Winner invited talk at Competition Forum @ CSIG2022
- Winner invited talk at Embodied AI Workshop @ CVPR2022
- Conference Reviewer: AAAI2023, CVPR2023

Awards

Chancellor's Letter of Commendation, ANU **Nov 2022**