

Zun Wang

✉ Zun.Wang@anu.edu.au • [zunwang1.github.io](https://github.com/zunwang1) • [wz0919](https://www.linkedin.com/in/wz0919)

Education

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

Master of Machine Learning and Computer Vision

Graduated with Postgraduate Medal for Academic Excellence (Top 1 out of the college)

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, GeneralVideo Group, Shanghai, China **Mar 2022 – present**

Research Intern – Led by [Dr. Yi Wang](#) and [Prof. Yu Qiao](#)

- Topics: Video Understanding, Vision-and-Language Navigation.
- Improves SoTA performance on the R2R-VLN benchmark from 69% to 80% by introducing an effective data-generation paradigm (accepted by ICCV 2023).
- 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 Embodied 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).

Selected Publications

- Scaling Data Generation in Vision-and-Language Navigation
Zun Wang*, Jialu Li*, Yicong Hong*, Yi Wang, Qi Wu, Mohit Bansal, Stephen Gould, Hao Tan and Yu Qiao
ICCV 2023
- 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

Technical Reports

- Technical Report for REVERIE Challenge (CSIG 2022)
Zun Wang, Yi Wang, Yinan He and Yu Qiao
CSIG 2022
- 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 Workshop, 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

Postgraduate Medal for Academic Excellence, ANU

Jul 2023

Top 1 student out of the whole postgraduate students from the College of Engineering, Computing & Cybernetics

Chancellor's Letter of Commendation, ANU

Nov 2022

Awarded to full-grade students over the past year