

Zun Wang

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Education

The Australia 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 Embodied AI Workshop @ CVPR 2022. We improve SoTA performance from 37% to 55%.

The Australia 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

- [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: AAAI2022, CVPR2023

Awards

Chancellor's Letter of Commendation, ANU Nov 2022