

# 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 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).

## Publications

- [Bridging the Gap Between Learning in Discrete and Continuous Environments for Vision-and-Language Navigation](#)  
[Yicong Hong](#)<sup>\*</sup>, [Zun Wang](#)<sup>\*</sup>, [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](#)<sup>\*</sup>, [Zun Wang](#)<sup>\*</sup>, 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](#)<sup>\*</sup>, [Zun Wang](#)<sup>\*</sup>, 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