

# JIANYUAN WANG

Email: u6148908@anu.edu.au ◇ Webpage: <https://jytime.github.io>

## EDUCATION

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**Australian National University (ANU)**, Canberra, Australia

*Feb 2017 – Feb 2019*

Bachelor of Engineering with a major in Mechatronic System

First Class Honours, Overall GPA: 6.75/7.00

Core Courses: Computer Vision (Rank 1/114)

Robotics (Rank 1/69)

Spending the first two years at the Northwestern Polytechnical University

Thesis: RGB-D Instance Segmentation by Proposal Fusion, supervised by Prof. Hongdong Li

## EXPERIENCE

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**ANU Computer Vision and Robotics Group**

*Mar 2020 – Present*

Research student on visual geometry learning, supervised by Prof. Hongdong Li

**SenseTime Group Limited**

*Mar 2019 – Mar 2020*

Research intern on point cloud object detection, for Mobile Intelligence Group

## PUBLICATION

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• **Jianyuan Wang**<sup>\*</sup>, Yiran Zhong<sup>\*</sup>, Yuchao Dai, Stan Birchfield, Kaihao Zhang, Nikolai Smolyanskiy, and Hongdong Li. “Deep Two-View Structure-from-Motion Revisited”. In: *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2021.

• **Jianyuan Wang**<sup>\*</sup>, Yiran Zhong<sup>\*</sup>, Yuchao Dai, Kaihao Zhang, Pan Ji, and Hongdong Li. “Displacement Invariant Matching Cost Learning for Accurate Optical Flow Estimation”. In: *Proceedings of Advances in Neural Information Processing Systems (NeurIPS)*, 2020.

• Yiran Zhong, Pan Ji, **Jianyuan Wang**, Yuchao Dai, and Hongdong Li. “Unsupervised Deep Epipolar Flow for Stationary or Dynamic Scenes”. In: *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2019.

## AWARD

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**ANU International PhD Scholarship**

*Jun 2019*

for PhD study in the ANU computer vision group  
could not enroll because of the quarantine

**Distinguished Scholar Award, ANU Burton & Garran Hall**

*Sep 2018*

for excellent academic performance at the university

**First-Class Prize of NWPU Mathematical Model Contest (Top 1%)**

*May 2015*

built a mathematical model for a real-world vaccine problem

## ACTIVITY

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- Attended the *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Long Beach California, US, 2019
- Attended the *IEEE International Conference on Computer Vision (ICCV)*, Seoul, Korea, 2019
- Attended the *Conference on Neural Information Processing Systems (NeurIPS)*, Virtual, 2020
- Reviewer for the International Conference on Computer Vision (ICCV), Virtual, 2021

## SKILL

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Software and Libraries: TensorFlow, PyTorch, OpenCV, LaTeX, Linux

Programming Languages: Python, C/C++, MATLAB, Swift, VHDL

Personal Interests: Photography, Seal Carving