JIANYUAN WANG

Email: u6148908@anu.edu.au ♢ Webpage: https://jytime.github.io

EDUCATION

Australian National University (ANU), Canberra, Australia *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

Chinese University of Hong Kong *Jun 2021 – Present*

Research assistant, supervised by Prof. Bolei Zhou

Australian National University *Mar 2020 – Jun 2021*

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

SenseTime Group Limited *Mar 2019 – Mar 2020*

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

PUBLICATION

- **Jianyuan Wang**[*], Yiran Zhong[*], 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**[*], Yiran Zhong[*], 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

ANU International Scholarship (Top 1%) *Jun 2019*

Distinguished Scholar Award, ANU Burton & Garran Hall (Top 3%) *Sep 2018*

ACTIVITY

- 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

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

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

Personal Interests: Photography, Seal Carving