JIANYUAN WANG

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

EDUCATION

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

Core Courses: Computer Vision (Rank 1/114)
Robotics (Rank 1/69)

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

Northwestern Polytechnical University (NWPU), Xi'an, China *Sep 2014 – Nov 2016*

Completed first two years of the Bachelor of Engineering, Grade: 82.64/100, Rank: 8/62

EXPERIENCE

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 engineer on point cloud object detection, for Mobile Intelligence Group

PUBLICATION

- **Jianyuan Wang**, Yiran Zhong, Yuchao Dai, Stan Birchfield, Nikolai Smolyanskiy, and Hongdong Li. "Deep Two-View Structure-from-Motion Revisited". In submission to: *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 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

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

SKILL

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

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

Personal Interests: Photography, Seal Carving