Junxuan Li
Curriculum Vitae

PERSONAL DETAILS

Email	Junxuan.Li@anu.edu.au
Personal website	https://junxuan-li.github.io/

EDUCATION

PhD `2018-Now`
Computer Vision
College of Engineering and Computer Science
The Australian National University

Master of Computing (Advanced) `2016-2018`
College of Engineering and Computer Science
The Australian National University

Bachelor of Naval Architecture & Ocean Engineering `2012-2016`
School of Naval Architecture Ocean & Civil Engineering.
Shanghai Jiaotong University, China

PUBLICATIONS

Neural Photometric Stereo for Shape and Material Estimation
Junxuan Li and Hongdong Li. Submitted for review. 2021 May.

Neural Plenoptic Sampling: Capture Light-field from Imaginary Eyes
Junxuan Li, Yujiao Shi and Hongdong Li. Submitted for review. 2021 March.

Lighting, Reflectance and Geometry Estimation from 360° Panoramic Stereo
Junxuan Li, Hongdong Li and Yasuyuki Matsushita. Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition. (CVPR) 2021. [pdf].

Learning to Minify Photometric Stereo
Junxuan Li, Antonio Robles-Kelly , Shaodi You, and Yasuyuki Matsushita. Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition. (CVPR) 2019. [pdf].

A Frequency Domain Neural Network for Fast Image Super-resolution
Junxuan Li, Shaodi You and Antonio Robles-Kelly. International Joint Conference on Neural Networks. (IJCNN) 2018 Jul. [pdf].

Stereo Super-resolution via a Deep Convolutional Network
Junxuan Li, Shaodi You and Antonio Robles-Kelly. Digital Image Computing: Techniques and Applications (DICTA), International Conference on. IEEE, 2017. [pdf].

EXPERIENCES

Tutor `2018-2021`
College of Engineering and Computer Science
The Australian National University

Tutored and marked students enrolled in: COMP2400/6240 Relational Database 2018-S2, 2019-S2, 2020-S2, 2021-S2; ENGN4528/6528 Computer Vision 2019-S1; COMP1730/6730 Programming for Scientists 2019-S2; COMP4650/6490 Document Analysis 2019-S2.

Reviewer `2020`
I served as a reviewer for ECCV 2020; ICLR 2021.

Industrial Trainee `2016-2018`
Data61, CSIRO, Australia
Working on computer vision. Finished several research projects during the period.

PROJECTS

Computing Optical Flow by Convolutional Networks `2017`
Supervisor: Prof. Antonio Robles-Kelly & Dr. Shaodi You

The software interface development and application of OPT-Ship `2016`
Supervisor: Prof. Decheng Wang

Research of mass transit passenger flow distribution base on IC data `2015`
Supervisor: Dr. Linjie Gao

AWARDS & HONORS

Data61 PhD Scholarship `2018-2022`
The Australian National University

Data61 Top-up Scholarship `2018-2022`
The Australian National University

Scholarship for Academic Excellence(Class C) `2015`
Shanghai Jiaotong University, China

Scholarship for Academic Excellence(Class C) `2014`
Shanghai Jiaotong University, China

30th Chinese College Physics Competition First Prize `2013`
Shanghai, China

Scholarship for Academic Excellence(Class B) `2013`
Shanghai Jiaotong University, China

First Prize, Chinese Physics Olympic Contest (province-wide) `2011`
Fujian, China