

Junxuan Li

Curriculum Vitae

PERSONAL DETAILS

Birth September 16, 1994
Address 42 Banfield St, Downer ACT, 2602
Phone (61) 406050881
Email u5990546@anu.edu.au

EDUCATION

Industrial Trainee, Data61, CSIRO, Australia

2016.10-present

Working on computer vision. Finished several research projects during the studying.

Supervisor: Assoc. Prof. Antonio Robles-Kelly & Dr. Shaodi You

MEng. Master of Computing

2016-present

College of Engineering and Computer Science

The Australian National University

Specialization: Artificial Intelligent.

Overall GPA: **84.25/100** (6.875/7)

BEng. Naval Architecture & Ocean Engineering

2012-2016

School of Naval Architecture Ocean & Civil Engineering.

Shanghai Jiaotong University, China

GPA of courses that related to Math and Computer Science: **85.6/100**

Overall GPA: **83.8/100**

RESEARCH EXPERIENCE

Stereo Super-resolution via a Deep Convolutional Network

2017

Junxuan Li, Shaodi You, Antonio Robles-Kelly, Submitted to DICTA

In this paper, we present a method for stereo super-resolution which employs a deep network. The network is trained using the residual image so as to obtain a high resolution image from two, low resolution views. We illustrate the utility of our network for image-pair super-resolution and compare our network to its non-gradient trained analogue and alternatives elsewhere in the literature..

Secrets in Computing Optical Flow by Convolutional Networks

2017

Supervisor: Prof. Antonio Robles-Kelly & Dr. Shaodi You

Proposed several CNNs network architectures that can estimate optical flow, and fully unveiled the intrinsic different between these structures. It was completed by MatConvNet(Matlab).

The interface development and application of OPT-Ship

2016

Supervisor: Prof. Decheng Wang

Undergraduate graduation project thesis. It implemented the interface of a software - OPTShip - by using C++ and Qt platform.

Research of mass transit passenger flow distribution base on IC data

2011

Supervisor: Dr. Linjie Gao

26th Participation in Research Program(PRP). This project was aimed to analysis the data retrieved from IC and GPS and give an overall judgment to transit distribution. It was completed by using PYTHON.

SKILLS

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| <i>Languages</i> | Chinese English |
| <i>Programing Languages</i> | PYTHON, JAVA , MATLAB, C++, L ^A T _E X, SQL |

AWARDS & HONORS

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| Scholarship for Academic Excellence(Class C) <i>Shanghai Jiaotong University, China</i> | 2015 |
| Scholarship for Academic Excellence(Class C) <i>Shanghai Jiaotong University, China</i> | 2014 |
| 30th Chinese College Physics Competition First Prize <i>Shanghai, China</i> | 2013 |
| Scholarship for Academic Excellence(Class B) <i>Shanghai Jiaotong University, China</i> | 2013 |