Huangying **ZHAN**

Ph.D Student

Education

02/2017 - Present	The University of Adelaide Ph.D. Student in Mathematical and Computer Science, supervised by Prof. Ian I Research interest: Deep Learning, Robotic Vision, SLAM	e, Australia Reid
09/2012 - 07/2016	The Chinese University of Hong Kong B.Eng in Electronic Engineering (First Class Honours), Major GPA: 3.8/4.0	Cong, China
07/2013 - 08/2013	Peking University Summer School, GPA: 89/100	ijing, China

Experience

Experience		
02/2017 - Present	Australian Centre for Robotic Vision (ACRV) Ph.D Student - Research on deep learning and robotic vision	Australia
08/2016 - 11/2016	Unmanned System Research Group Visiting research student with Prof. Ben M. Chen - Worked on a landing marker detection project for UAV I in here Started a research on a deep learning method for 2E Resulted in an IROS-2017 paper.	
06/2016 - 07/2016	Dept. of Electronic Engineering Research assistant with Prof. Xiaogang Wang - Researched on a deep learning algorithm for a large- and retrieval project.	The Chinese University of Hong Kong scale clothing image classification
06/2015 - 08/2015	Faculty of Engineering Summer research intern with Prof. Chiu Sing, Oliver Cl - Researched on hardware implementations of convo- quantization training strategy is proposed to reduce convin fixed point devices.	lutional neural networks (CNN). A
07/2014 - 06/2015	ON Semiconductor Application Engineer Trainee, supervised by Dr. Gang - Worked on new product developments in terms of appropment, product evaluation, and documentation.	

Publications

Efficient Dense Point Cloud Object Reconstruction Using Deformation Vector Fields

Kejie Li, Trung Pham, **Huangying Zhan**, Ian Reid

European Conference on Computer Vision (ECCV-2018)

Unsupervised Learning of Monocular Depth Estimation and Visual Odometry with Deep Feature Reconstruction

Huangying Zhan, Ravi Garg, Chamara Saroj Weerasekera, Kejie Li, Harsh Agarwal, Ian Poid

IEEE Conference on Computer Vision and Pattern Recognition (CVPR-2018)

Deep Learning for 2D Scan Matching and Loop Closure

Jiaxin Li*, **Huangying Zhan***, Ben M Chen, Ian Reid, Gim Hee Lee

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS-2017)

Teaching

02/2018 - Present Scientific Computing

The University of Adelaide

Fundamentals of MATLAB; Using MATLAB to implement varies algorithms.

Awards

02/2017 - Present	University of Adelaide International Wildcard Scholarship Award to international students to support their study. The University of Adelaide
12/2016	HKEIA Project Competition Award (Merit) The Hong Kong Electronic Industries Association To recognize and reward students with outstanding projects which demonstrate excellence in technology and innovation. See result here.
04/2016	Final-Year Project Poster Award (3rd Prize) Dept. of Electronic Engineering, CUHK Project title: ClothingID for Clothing Image Classification and Retrieval. See result here.
04/2016	Professor Charles K. Kao Research Exchange Scholarship Faculty of Engineering, CUHK Offer to students who have excellent academic performance and research potential. Recipients are allowed to participate in a research project at designated overseas universities.
07/2015	Undergraduate Summer Research Internship Scholarship Faculty of Engineering, CUHK Offer to students who successfully apply and complete a research project in the Faculty of Engineering, CUHK
07/2014	HKSAR Talent Development Scholarship To benefit students with both outstanding academic performance and achievements and talents in other non-academic fields
2012-2016	Academic Honors and Scholarships at CUHK College Head's List (United College; 2016); Dean's List (Faculty of Engineering; 2014,2016); Suga International Holdings Limited Scholarship (2014); Simatelex Charitable Foundation Scholarship (2014); Tsang Shui Tim Scholarship (2014); Electronic Engineering Scholarship (2012)

Skills

Programming Languages Python, MATLAB, C++, LATEX

Deep Learning Framework Caffe, PyTorch

Operation Systems Linux (Ubuntu), Windows

Languages Chinese, Cantonese, English, Hokkien