

# ZI JIAN YEW

## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

*Ph.D in Computer Science*

2017 – Current

- Research Area: Computer Vision and Deep-Learning, with a focus on the task of Point Cloud Registration.
- Supervised by Asst. Prof. Gim Hee Lee

### GEORGIA INSTITUTE OF TECHNOLOGY

*Masters of Science (M.S.) in Computer Science*

2015 – 2017

- GPA: 4.0/4.0
- Specialization: Computational Perception and Robotics
- Part time studies under the Online Masters of Science in Computer Science (OMSCS) program

### NATIONAL UNIVERSITY OF SINGAPORE

*Bachelors of Engineering (Computer Engineering), First Class Honors*

2007 – 2011

- GPA: 4.88/5.0
- Defence Science and Technology Agency (DSTA) undergraduate scholarship
- Student Exchange Program at Royal Institute of Technology (Kungliga Tekniska högskolan), Sweden
- Final Year Thesis: “Multi-image Transformation and Alignment for Panorama Image Stitching” under Adjunct Asst. Prof. Jo Yew Tham

## RESEARCH INTERESTS

3D Computer Vision, Deep Learning, Point Cloud Registration

## WORK EXPERIENCE

### DSO NATIONAL LABORATORIES

*Senior Member of Technical Staff*

Jan 2016 – Aug 2017

*Member of Technical Staff*

June 2011 – Dec 2015

- Computer Vision algorithm developer
- Areas: Visual-Inertial navigation, Image Registration.

## TEACHING EXPERIENCE

*Teaching Assistant for CS4277/CS5477: 3D Computer Vision*

Sem 2, AY19/20

*Teaching Assistant for CS5340: Uncertainty in AI*

Sem 1, AY20/21

- Duties: Designing assignments, briefing students on assignments and grading assignments.

## PUBLICATIONS

- Yew Z. J., Lee G. H. (2020) RPM-Net: Robust Point Matching using Learned Features. CVPR 2020.
- Lan Z.Q., Yew Z.J., Lee G.H. (2019) Robust Point Cloud Based Reconstruction of Large-Scale Outdoor Scenes. CVPR 2019.
- Yew Z.J., Lee G.H. (2018) 3DFeat-Net: Weakly Supervised Local 3D Features for Point Cloud Registration. ECCV 2018.

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## SERVICE

### *Reviewer for Journals and Conferences*

- IEEE Transactions on Image Processing (TIP)
- IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)
- Asian Conference on Machine Learning (ACML) 2019, 2020
- 3DV 2020 – Outstanding reviewer award