

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.

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