👤 YU CHEN

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🎓 EDUCATION

◑ **Ph.D student**	**National University of Singapore**	**Dept. Computer Science**	2022.01-**now**
◑ **M.S.**	**Peking University**	**Computer Software and Theory**	2017.09 − 2020.06
◑ **B.S.**	**Beihang University**	**Software Engineering**	2013.09 − 2017.06

✈ PUBLICATIONS

Conferences/Journals

Yu Chen, Gim Hee Lee. **DReg-NeRF: Deep Registration for Neural Radiance Fields**,
In International Conference on Computer Vision (ICCV) 2023 [📄 | 🔗]

Yu Chen, Gim Hee Lee. **DBARF: Deep Bundle-Adjusting Generalizable Neural Radiance Fields**, In IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2023 [📄 | 🔗]

Yu Chen, Zihao Yu, Shu Song, Tianning Yu, Jianming Li, Gim Hee Lee. **AdaSfM: From Coarse Global to Fine Incremental Adaptive Structure from Motion**, In IEEE International Conference on Robotics and Automation (ICRA) 2023 [📄 | 🔗]

Yu Chen, Ji Zhao, Laurent Kneip. **Hybrid Rotation Averaging: A Fast and Robust Rotation Averaging Approach**, In IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2021 [📄 | 🔗]

Yu Chen, Shuhan Shen, Yisong Chen, Guoping Wang. **Graph-Based Parallel Large Scale Structure from Motion**, Pattern Recognition (PR) 2020 [📄 | 🔗]

Yu Chen, Wang Yao, Lu Peng, Chen Yisong, Wang Guoping. **Large-Scale Structure from Motion with Semantic Constraints of Aerial Images**, The First Conference of Pattern Recognition and Computer Vision (PRCV) 2018, China [📄 | 🔗]

Seminar

Yu Chen, Yisong Chen, Guoping Wang. **Bundle Adjustment Revisited**, The 14th Joint Workshop on Machine Perception and Robotics 2018, Japan [📄]

Thesis

Yu Chen. Graph-Based Distributed Large-Scale Structure-from-Motion Algorithm. (Master Thesis)

🔖 EXPERIENCE

Segway-Ninebot	**SLAM Engineer (full-time)**	**SLAM Group**	2020.07 **-** 2021.12
TuSimple	**Research Intern**	**Localization & High-Definition Map**	2019.04 **-** 2019.07
Megvii (Face++)	3**D Reconstruction Intern**	**SLAM Group**	2018.09 **-** 2018.12

🤖 PROFESSIONAL SERVICES

▸ Conference Reviewer: NeurIPS 2023, BMVC 2023

▸ Journal Reviewer: IJCV

▸ Teaching Assistant: CS4277/CS5477 - 3D Computer Vision (2022/2023), NUS

▸ Teaching Assistant: Python Programming (2018/2019), Peking University

🗂 PROFESSIONAL SKILLS

▸ Languages: Chinese (native), English

▸ Programming Languages: C++, C, Python, MATLAB, C#, JAVA, JavaScript, HTML+CSS

▸ Others: ROS, Docker, Linux

💎 AWARDS AND SCHOLARSHIPS

▸ 2022.01-now. Research Scholarship of SoC, NUS

▸ 2019.11. 2nd place in 3D Reconstruction Group, the 2nd China Virtual Reality and Application Innovation Challenge

▸ 2017.07-2020.06 Academic Scholarship, Peking University

▸ 2018. 2nd place in 3v3 basketball game, Peking University

▸ 2014. 1st place in speech contest in 2013 fall, One of Top Ten Broadcasting Hosts, Beihang University

▸ 2013. 1st place in speech contest, Beihang University