SIYU LU

siyu@cmlab.csie.ntu.edu.tw | +886 0978809600 | No. 1, Sec. 4, Roosevelt Rd., Taipei

orientonubo.github.io

SUMMARY

I am currently pursuing my Ph.D. at the CMLab AIMM Group, National Taiwan University, advised by Prof. Wen-Huang Cheng. I also collaborate closely with Prof. Yung-Yao Chen at National Taiwan University of Science and Technology. My research interests are centered around 3D reconstruction, visual/LiDAR relocalization, computer vision (CV), and generative AI.

AWARDS & CERTIFICATE

- 2023 IET International Conference on Engineering Technologies and Applications.
  - **Best Paper Award, First Place.**
- Intel DevCup, "AI in Practice" track.
  - **Best Popularity Award. 2022.**
- 2022 CACS International Automatic Control Conference.
  - **Best Student Paper Award, Second Place.**
- AIGO Competition (Taiwan Industrial Development Administration).
  - **Honorable Mention. 2021.**
- National Taiwan University of Science and Technology.
  - **Certificate of Achievement. 2019.**
- Contemporary Undergraduate Mathematical Contest in Modeling.
  - **National First Prize. 2017.**

- The Japanese-Language Proficiency Test (JLPT) N2 Certificate. 2020.

EDUCATION

Computer Science and Information Engineering (Ph.D.)   **Sep 2022 - Now**
National Taiwan University
- GPA: 4.12

Electronic and Computer Engineering (M.Sc.)   **Sep 2020 - Aug 2022**
National Taiwan University of Science and Technology
- Final GPA: 3.96

Electronic and Computer Engineering (B.Sc.)   **Sep 2018 - Jun 2020**
National Taiwan University of Science and Technology
- Final GPA: 3.63

PUBLICATIONS

- Tai Peng, Kang-Yang Huang, *Si-Yu Lu*, Rou-An Chen, Hong-Han Shuai, Wen-Huang Cheng and Jianlong Fu, "**Eyeing3D: Perceiving 3D from 2D Images**", In the IET International Conference on Engineering Technologies and Applications (IET ICETA), 2023
- *Si-Yu Lu*, Sin-Ye Jhong, Wei-Jia Cheng, Yung-Yao Chen, "**Fast Learning-Based 3-D Lidar Localization with Multiscale Feature Recursive Matching for Autonomous Driving**", In the International Automatic Control Conference (CACS), *Best Paper Honourable Mention*, 2022
- *Si-Yu Lu*, Sin-Ye Jhong, Yu-Quan Wang, Min-Jiun Yang, Wei-Jia Cheng, "**Lidar Odometry Technigue based on Reliable Point Search for Simultaneous Localization and Mapping**", In the I8th International on Conference Automation Technology (Automation), 2021