

Xin Li

Haidian District, Beijing, P.R.China 10087

☎ +86 17343091027 • ✉ lixin97@pku.edu.cn • 🌐 lixin97.github.io

Education

Peking University

Master in Electronics and Communication Engineering

Beijing, China

Sept. 2018 - Present

Northeastern University at Qinhuangdao

Bachelor in Measurement and Control Technology and Instruments

Qinhuangdao, China

Sept. 2014 - Jun. 2018

Experience

Microsoft Research Asia(MSRA)

Research Intern, supervisor: Dr. Yang Liu

Beijing, China

Sep. 2020 - Present

- Design a multi-sensor fusion SFM system based on OpenMVG

MEGVII

Research Intern, supervisor: Dr. Yijia He

Beijing, China

Feb. 2019 - Mar. 2020

- Designed a tightly-coupled monocular VIO system that utilizes heterogeneous visual features, include points, lines, and planes, as well as their co-planarity constraints.
- One IROS paper

Publications

- **Xin Li***, Yanyan Li*, Evin Pinar Örnek, Jinlong Lin and Federico Tombari. "Co-Planar Parametrization for Stereo-SLAM and VIO", IEEE Robotics and Automation Letters (**IEEE RA-L**), 2020. (* equal contribution)
- **Xin Li***, Yijia He*, Jinlong Lin, Xiao Liu, "Leveraging Planar Regularities for Point Line Visual-Inertial Odometry", IEEE/RSJ international conference on intelligent robots and systems (**IROS**), 2020. (* equal contribution)

Honor

- Excellent bachelor thesis (top 5% of all graduates), NEUQ , 2018
- 1st prize in the north China division of national college students' smart car competition NXP cup, 2017
- 1st prize in the heibei province division of "bridge cup" national software professionals design contest, 2017

Research Intersects

- SLAM (Simultaneous Localization and Mapping), 3D Reconstruction, and Scene Understanding.

Skills

- **Programming:** C++, Python.
- **Languages:** English(fluent), Chinese(native).