

# Xin Li

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## Education

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### 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

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### 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

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- **Xin Li\***, Yanyan Li\*, Evin Pinar Örneke, 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

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- 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

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

## Skills

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