

Xiang Li

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Education

Department of Computer Science, Stony Brook University (SBU) NY, United States

Program: Ph.D. in Computer Science 01/2020-Present

School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University (SJTU), China

Program: Master Program of Control Engineering 09/2015-03/2018

- GPA: 2.55/3.3 Degree: Master of Engineering in Control Engineering (conferred in March 2018)

Program: Undergraduate Program of Automation 09/2011-06/2015

- GPA: 83/100 Degree: Bachelor of Science in Engineering (conferred in June 2015)

Internship

Beijing Falcon Image Technologies Co., Ltd 03/2018-08/2019

Software engineer

- Responsible for designing SLAM and navigation algorithm on self-driving car;
- Designed self-driving routine system and GUI in ROS framework;

Hubei Cheng Shi Electronic Business Co., Ltd 03/2016-03/2018

IOT software engineer

- Responsible for designing hardware structure of video monitoring system for three IOT warehouses;
- Designed Camera Bundle with C++ and C#;
- Designed related software on embedded systems like Raspberry Pi;

Publications

International Conference on Signal and Image Processing (ICSIP, 2017) 03/2017

- First Author, Enhance Tracker's Classifier via View Morphing
- Achieved Best Presentation Award
- Full Paper: <https://xxli.me/publication/icsip17.pdf>

International Conference on Neural Information Processing (ICONIP, 2017) 06/2017

- First Author, A Point and Line Features Based Method for Disturbed Surface Motion Estimation
- Full Paper: <https://xxli.me/publication/iconip17.pdf>

Recent Projects

Python naive-screpy-client

- A Python client of Screpy, which receives video stream from Android devices.
- Features: calls FFmpeg DLL directly; works on both Windows and Linux;
- Code: <https://github.com/LostXine/naive-screpy-client>

C++ Python Arduino Simple Raspi Car

- An open-source solution to transform general RC car into powerful mobile platform with Raspberry Pi 3B+ even NVIDIA TX2. Designed for computer vision learners and compatible for many A.I. tasks.
- Features: one cradle camera; open-source SDK in both C++ and Python; control via network;
- Code: <https://github.com/LostXine/simple-raspi-car>

Honors & Awards

- * Outstanding Graduates in Shanghai 03/2018
- * National Scholarship for Graduate Students 11/2017
- * Outstanding Graduate of SJTU 05/2015