

ZHIJIE WANG

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EDUCATION

Fuzhou No.1 Middle School

Fuzhou, China
Sept. 2012 – June 2015

Beijing University of Posts and Telecommunications
School of Information and Communication Engineering
Bachelor of Telecommunication Engineering
GPA: 85.71 / 100.

Beijing, China
Expected July 2019

RESEARCH EXPERIENCE

Megvii Technology Ltd. (Face++)
Research Intern

Leader: **Dr. Jian Sun**

- SLAM Group at Megvii Research
- Focus on Laser & Visual SLAM.

Beijing, China
Nov. 2018 – Present

Dept. of Electrical & Computer Engineering, National University of Singapore

Non-graduating Research Student

Supervisor: **Prof. Ben M. Chen & Dr. Lin Feng**

- Worked on a research project about continuous localization and mapping for autonomous navigation in low-light environments based on multi-sensors fusion. Resulted in a working paper.
- Participated in a research project about underwater image enhancement and recoloring. Resulted in an ICRA 2019 paper (under review).

Singapore
July 2018 – Sept. 2018

Dept. of Electronic Engineering, Tsinghua University
Research Intern

Supervisor: **Prof. Qiao Fei**

- Worked on ROS programming and robots testing.
- Started a research on Visual Semantic SLAM and Mapping. Resulted in a CN Patent.

Beijing, China
Sept. 2017 – June 2018

PUBLICATIONS & PATENTS

Xinjun Liu, Chao Yu, Fei Qiao, Fugui Xie, **Zhijie Wang**, **A robot SLAM system towards dynamic environments**, *CN Patent Application No. CN108596974A*.

Xiaodong Liu, **Zhijie Wang**, Yu Heng Tan, Yingcai Bi, Ben M. Chen, **Underwater Image Enhancer based on Conditional GANs**, *IEEE International Conference on Robotics and Automation 2019 (ICRA 2019)*. Under Review.

Zhijie Wang, Yingcai Bi, Ben M. Chen, **Continuous Localization and Mapping for Autonomous Navigation in Low-light Environments based on Multi-sensors Fusion**. Submitted.

HONORS & AWARDS

Scholarship of Beijing University of Posts and Telecommunications

2016 & 2017 & 2018

SKILLS

Programming: C++, MATLAB, Python, VHDL, SQL

Software & Tools: ROS, MATLAB, Open CV, Ceres, g2o, AutoCAD, LaTeX

Operation System: Linux (Ubuntu), Windows

Languages: English, Chinese (Native), Hokkien (Native)

MISCELLANEOUS

Crew Member, RAINBOW Project

2015 - Present

- Published 3 Original Chinese albums together with high school friends.
- Held more than 20 concerts in China. Participated as social media operator.

Vice-Captain, Football team of SICE

- 1st Prize, Principal Cup of BUPT
- 3rd Prize, Principal Cup of BUPT

2016

2017 & 2018