



## 1 Education Background

- **B.S of Photogrammetry and Remote Sense**

School of Geodesy and Geomatics, Wuhan University  
Wuhan, China. 2016 - 2020. GPA 3.76/4.00

- **Student Exchange Program**

University of California, Santa Barbara  
Santa Barbara, USA. 2019. GPA 3.70/4.00

- **M.S of Pattern Recognition and Intelligent System**

School of Remote Sensing and Information Engineering, Wuhan University  
Wuhan, China. 2020 - 2023. GPA 3.92/4.00

## 2 Publications

- [1] **Haonan Dong**, Xiaotong Ye, Congpu Hao. Emergency Evacuation Path Planning Algorithm for Indoor Fire in Commercial Buildings[J]. Journal of Geomatics, 2021,46(S1):40-43.DOI:10.14188/j.2095-6045.2019351.
- [2] **Haonan Dong**, Jian Yao. PatchMVSNet: Patch-wise Unsupervised Multi-View Stereo for Weakly-Textured Surface Reconstruction. arXiv:2203.02156.
- [3] **Haonan Dong**, Yuyue Liu, Fei Sun, Jian Yao\*, Li Li. Meta-Board: All You Need For Automatic Optical Camera Calibration. Submitted to IROS 2022.

## 3 Research Experience

- **High-Precise Point Clouds Reconstruction based on the RGB-D Camera.**  
02/2022 - Now. University-Enterprise Cooperation: Funded by *Huawei Inc.*
- **Multi-Camera System Intrinsic and Extrinsic Calibration.**  
12/2021 - Now. Funded by *National Natural Science Foundation of China.*
- **Multi-party Secure Pathological Computing System based on Federated Learning.**  
06/2021 - 10/2021. Funded by *Xiamen Healthy and Medical Big Data Center.*
- **Online 3D Reconstruction Server with High Performance Computing Clusters.**  
09/2020 - 05/2021. Funded by *CVRS, Wuhan University.*
- **Indoor Fire Evacuation System Based on Path Planning Algorithm and WSN.**  
03/2018 - 06/2019. National Program of Innovation and Entrepreneurship for Undergraduates.

## 4 Awards

- **Outstanding Graduate Reward. Wuhan University (2020).**
- **Outstanding Completion of National Program of Innovation and Entrepreneurship for Undergraduates, Wuhan University (2020).**
- **Four-time “Second-Prize” Scholarship. Wuhan University (2017 - 2021).**
- **“Southern-Survey Cup” Paper Competition: Special Prize (The Highest Award)**  
**Geomatics Skill Contest of SGG, Wuhan University: Third Prize**
- **Patents: A Indoor Fire Evacuation Assistant System basing on ZigBee. Wuhan University.**



## 5 Academic Competitions

01/2019: MCM/ICM Honorable Prize.

Topic: Evacuation Problem in Louvre.

08/2018: China Undergraduate Mathematical Contest in Modeling

Third Prize of Hubei Province.

Topic: Scheduling Problem of Intelligent RGV.

## 6 Skills

### 6.1 English Proficiency

TOEFL 97 (25 + 25 + 22 + 25) Will Take Another Test.

GRE 321 (154 + 167) + 3

### 6.2 Professional Skills

**Programming Languages:** C++ with CMake, Python, Pytorch, Linux Shell, Matlab

**Operating System:** Linux System such as Ubuntu, CentOS