



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 Preprint.
- [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

12/2021 - Now. University-Enterprise Cooperation: CVRS with Didi Inc.

Topic: Highly-precised 3D Reconstruction with RGB-D Sensor.

11/2021 - Now.

Topic: Multi-camera System Intrinsic and Extrinsic Calibration, from Pinhole to Fish-Eye.

06/2021 - 10/2021. University-Enterprise Cooperation: CVRS with Xiamen Healthy and Medical Big Data Center.

Topic: Multi-party Secure Pathological Computing System based on Federated Learning.

09/2020 - 05/2021.

Topic: Online 3D Reconstruction Server with High Performance Computing: The algorithms of the intact pipeline of 3D reconstruction and the platforms of clusters.

03/2018 - 06/2019. Leader. National Program of Innovation and Entrepreneurship for Undergraduates, WHU

Topic: A Commercial Building Fire Evacuation System Based on an Indoor Path Planning Algorithm and ZigBee Platform.

4 Awards

- **Outstanding Graduate Reward, Wuhan University(2020).**



- Outstanding Completion of National Program of Innovation and Entrepreneurship for Undergraduates.
- “Southern-Survey Cup” Paper Competition: Special Prize (The Highest Award)
Geomatrics Skill Contest of SGG, Wuhan University: Third Prize
- Patent(accepted): 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