



TIAN ZHANG

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Current Address: 38th international street, Haifa, Israel

Interests: *3D modeling, Applied Geometry, Geometric Deep Learning*

🎓 EDUCATION

Israel Institute of Technology (Technion), Haifa, Israel 2020 – Present
Mapping and Geo-information Engineering | G.P.A. 95/100

Wuhan University (WHU), Wuhan, China 2017 – 2020
MSc in Navigation, Guidance and Control | G.P.A. 3.41/4.0 (88/100)

Wuhan University (WHU), Wuhan, China 2013 – 2017
B.S. in Geomatics Engineering (GE) | G.P.A. 3.66/4.0

🧑‍🔬 RESEARCH

Deep-learning-based Point Cloud Upsampling of Natural Entities and Scenes
ISPRS CONGRESS 2022, ISPRS Achieves

High Fidelity Edge-aware Normal Estimation for Low Resolution and Noisy Point Clouds of Heritage Sites
ISPRS CONGRESS 2022, ISPRS Achieves

Shape Preserving Noise Attenuation Model for 3-d-modeling of Heritage Sites by Portable Laser Scans
3D-ARCH 2022, ISPRS Achieves

Leaf-wood Separation and Tree Skeletonization from Low Resolution and Noisy 3-d Point Clouds
Oral paper at Sivilaser 2021

A Fast Algorithm for Rail Extraction Using Mobile Laser Scanning Data Dec. 2018
Journal Paper | DOI: 10.3390/rs10121998

Mobile Mapping for Railroad modeling using low-cost self-assembled equipment

⚙️ EXPERIENCE AND SKILLS

- Industry Experience: HikVision Research Institute (Summer 2020)
- Programming Languages: C++ == Python > C
- English: IEITS 7.5(6.5)

♡ AWARDS

ISPRS Travel Grant 2022

Full Scholarship at Technion 2020-2022

National Scholarship for MSc students | Ministry of Education of P.R. China. 2019

The First Prize Scholarship of Wuhan University 2019

2nd Prize, China Graduate Contest on Application, Design and Innovation of Mobile Terminal (CDGDC) Oct.2018

Graduate Entrance Scholarship of Wuhan University 2017

Triple Winner of Scholarship for Outstanding Students 2014-2016