



TIAN ZHANG

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Current Address: 54th international street, Haifa, Israel

Interests: *Mobile Mapping, 3D modeling*

## 🎓 EDUCATION

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**Israel Institute of Technology (Technion)**, Haifa, Israel 2020 – Present

*MSc Student* in Mapping and Geo-information Engineering G.P.A. 96.4/100

**Wuhan University (WHU)**, Wuhan, China 2017 – 2020

*MSc* in Navigation, Guidance and Control G.P.A. 3.41/4.0 (88.11/100)

**Wuhan University (WHU)**, Wuhan, China 2013 – 2017

*B.S.* in Geomatics Engineering (GE) G.P.A. 3.66/4.0

## 👥 RESEARCH EXPERIENCE

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**Shape preserving noise attenuation model for 3-d-modeling of heritage sites by portable laser scans** Current

**Leaf-wood separation and tree skeletonization from low resolution and noisy 3-d point clouds**  
Oral paper at Sivilaser2021

Content aware modeling of Trees from Portable Laser Scanning data

- A novel neighborhood definition allows to robustify the feature computation for the presence of noise, clutter, and shape variation
- Content-aware L1-median curve representation

**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 self-assembled equipment(GNSS/INS/LiDAR)

## ⚙️ OTHER EXPERIENCE

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

## ♡ AWARDS AND PAPERS

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

The First Prize Scholarship of Wuhan University 2019

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

Graduate Entrance Scholarship of Wuhan University 2017

Triple Winnner of Scholarship for Outstanding Students 2014-2016