

# Xuyang Ma, Master Student

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🌐 <https://github.com/RTX2080>

## Education

- 2024 – 202X **Ph.D. in Computer Graphics, Singapore University of Technology and Design**  
supervised by **Prof. Peng Song**.
- 2021 – 2024 **M.Eng. in Computer Technology, Institute of Computing Technology, Chinese Academy of Sciences**  
Thesis title: *Research on Massive Data Transmission in LEO Satellite Communication Network* supervised by **Prof. Yiqing Zhou**.
- 2017 – 2021 **B.Eng. in Software Engineering, Shandong University**  
Thesis title: *A Comparative Analysis of SIFT and SURF Feature Extraction for Depth Camera Image Matching* supervised by **Prof. Rongjiang Pan**.

## Research Publications

Xuyang Ma *et al.* "Data Transmission in LEO Satellite Communication Network: Spatio temporal Cost Model and Reallocation Algorithm," *IEEE Transactions on Vehicular Technology*. **(Under review)**

Xuyang Ma *et al.*, "A Method for Testing Satellite Algorithms" Patent No. CN114780063A, China, 2022.

Yaoqi Liu, Jinglin Shi, Xuyang Ma *et al.*, "A Data Transmission Method Based on Satellite Internet" Patent No. CN117914387A, China, 2024.

## Awards

### Awards

- 2019 **Champion**, International Collegiate Programming Contest China Invitational Contest (Nanchang)
- Gold Award**, China Collegiate Programming Contest Regional Contest (Qinhuangdao)
- Runner-up**, International Collegiate Programming Contest China Provincial Contest (Shandong)
- Silver Award**, International Collegiate Programming Contest Asia Regional Contest (Nanchang)
- Bronze Award**, China Computer Federation Collegiate Computer Systems & Programming Contest

## Skills

Languages **IELTS 6.5(L:6.5, R:8.5, W:6, S:5.5)** taken in 2023

## Interests

- Sports **Table tennis, Badminton, Cycling, Swimming, Go, Chinese chess** (Received Honorable Mention from Chinese University Mind Sports Association)
- Misc. **Watching anime, Playing computer games**