Xuyang Ma, PhD Student

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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**.

Publications

Xuyang Ma *et al.* "Data Transmission in LEO Satellite Communication Network: Spatio temporal Cost Model and Reallocation Algroithm," *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

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)

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

Teaching

2025 ▌ **Teaching Assistant**   SUTD
Discrete Mathematics and Algorithm Design (50.050)