



HIT Top 10 Outstanding Candidate, China National Postgraduate Scholarship (0.2%)
HITSZ Outstanding Student Pacemaker (0.3%), HITSZ Postgraduate Grand Prize Scholarship
HITSZ Undergraduate First Prize Scholarship

Background — Strong Communications and Networking Foundation

High-School Shenzhen Senior High School (Group) Centre Campus, Shenzhen, China	15.09-18.07
B.Eng. HITSZ, Communications Engineering, GPA 3.746/4.0, Outstanding Graduate	18.09-22.07
M.Phil. HITSZ, Information & Communications Eng. (Guaranteed Admission), 3.431/4.0 Advisor: S. Wu & Q. Zhang	22.09-25.01

Research Experience — Self-motivated and Have Some Research Experience

National Key R&D Program: Air, Space, and Sea Coverage Network Research Project (2020YFB1806403)	2021.12-
Guangdong Basic and Applied Basic Research: Air, Space, and Sea Information Network Project (2022B1515120002)	2022.10-
National Natural Science Foundation: Deep Space Communications Transmission Research (61871147)	2023.03-
National Natural Science Foundation: Research on Information Transmission for Manned Lunar Landing (61831008)	2023.03-
National Key Scientific Research Instrument Project: Deep Space Communications Channel Simulator (62027802)	2023.03-

• **Invention Patent:** Guoquan Chen, Shaohua Wu, Jian Jiao, Qinyu Zhang. *Link Handover and Diversity Merge Research for High-Low Orbital Satellite Hybrid Networks*. Public Number: CN115473569A. Undergraduate Graduation Project Related. **Faculty**

Outstanding Graduation Project & University Outstanding Graduation Project (2%).

• **Publication 1:** Guoquan Chen, Shaohua Wu*, Yajing Deng, Jian Jiao, and Qinyu Zhang. *VLEO Satellite Constellation Design for Regional Aviation and Marine Coverage*. **IEEE TNSE (Transactions on Network Science and Engineering, JCRQ1, IF6.6)**, 2023. DOI: [10.1109/TNSE.2023.3321600](#). Relevant conference version published in **IEEE GlobeCom (CCF C)**, and I presented in Kuala Lumpur, Malaysia on 2023.12.03-09.

• **Publication 2:** Guoquan Chen, Shaohua Wu*, Junhua You, and Qinyu Zhang*. *Communication-Navigation Integrated Satellite Constellation for Lunar Exploration: Frozen-Orbit Based HyInc Walker*. **IEEE JSAC (IEEE Journal on Selected Areas in Communications, JCRQ1, IF16.4)**, 2024. DOI: [10.1109/JSAC.2024.3365888](#). Relevant conference version published in **IEEE WCNC (CCF C)**, and I will be presenting it in Dubai, UAE on 2024.04.21-24.

• **Academic Volunteer Experience:** IEEE GlobeCom 2023 SAC-SSC Session Chair, IEEE WCNC 2024 Track4-27 Satellite and Space Communications Session Chair, IEEE WCNC 2024 TPC Member, IEEE PIMRC 2024 TPC Member. **As a Reviewer:** IEEE JSAC, IEEE TVT, IEEE Communication Letters, IEEE INFOCOM, IEEE WCNC, IEEE PIMRC, IEEE WCSP.

• **Research Interest:** Wireless Communications and Networking, Space Communications, Resource Allocation and Optimization, and Intelligent Communications.

• **Skills:** CET-6, MATLAB, STK, Python, C/C++, Latex, Linux, HTML, CSS

Competition Experience — Good Foundation in Mathematics

• China National University Student Mathematical Modelling Competition	Second Prize (Captain)
• China National University Student Mathematical Competition	Third Prize (Individual)
• China Guangdong Province Mathematical Modelling Competition	First Prize (Captain)
• China Guangdong Province Electronic Design Competition	Third Prize (Team Member)
• China ZTE Algorithm Competition	Winning Prize (Individual)

Volunteer & Activity — Optimistic and Helpful

Served as Class President & Head of University Ministry of Life. Involved in 30+ volunteer activities, 128h of volunteer time, worked as a Covid-19 volunteer, concerned about society's blood donation and donated 1400mL of blood.

- **Outstanding Individual in University Social Activities**
- **Outstanding Student Leader**
- **Outstanding Volunteer (7 times for now)**

Art & Sports — Personal Diversity

I have good habits in arts and sports (running & badminton). I have been involved in many sports and cultural performances.

- **University Chorus Champion**
- **University Sports Meet 100m Last 8**
- **Faculty Sports Meet 100m Championship**
- **University Orienteering Third Prize**
- **University Sports Meet 100m-Relay Last**
