

EDUCATION	The State Key Lab. LIESMARS, Wuhan University	Wuhan, China
	<i>M.Sc. in Cartography and Geographic Information Systems</i> • GPA: 3.55/4.00, Average Score: 89.69. • Advisor: Prof. Xianwei Zheng • Research area: Computer Vision and Geographical 3D Reconstruction	2023 - 2026 (<i>expected</i>)
	School of Remote Sensing and Information Engineering, WuhanU	Wuhan, China
	<i>B.Eng. in Remote Sensing Science and Technology</i> • GPA: 3.75/4.00, Average Score: 88.90.	2019 - 2023
PUBLICATIONS	1. Xu Pan , Zimin Xia, Xianwei Zheng. Scale-aware Co-visible Region Detection for Hierarchical Image Matching. <i>ISPRS Journal of Photogrammetry and Remote Sensing (Under Review)</i> , 2025.	
	• Addressed the challenge of matching images with large scale gaps by detecting and aligning co-visible regions using a hierarchical framework with Scale Head Attention for robust cross-scale feature correlation. • Achieved up to +8.41% precision gain over state-of-the-art methods on diverse large-scale image matching benchmarks.	
	2. Xu Pan , Qiyuan Ma, Jintao Zhang, Xianwei Zheng. SAMatcher: Segment Anything Co-Visible for Robust Feature Matching. <i>The IEEE/CVF Conference on Computer Vision and Pattern Recognition (In Preparation)</i> , 2026.	
	• Targets robust image matching under significant scale variation by identifying semantically consistent, co-visible object segments. • Leverages SAM priors to detect co-visible object segments and constrain hierarchical matching within semantically aligned regions.	
PROJECTS	Intelligent Interpretation Platform for Remote Sensing Images Based on Baidu PaddlePaddle	
	<i>Github Repo: github.com/TwSphinx54/I2RSI</i>	2022.03 - 2024.01
	SCoDe	
	<i>Github Repo: github.com/TwSphinx54/SCoDe</i>	2023.10 - 2024.03
INTERNSHIPS	Baidu, Inc. - Intl. Tech R&D Dept. Shenzhen, China	2024.12 - 2025.03
	• Developed a novel DiT-based video generation method with key-frame guidance for controllable, infinite-length synthesis, improving text-visual consistency via enhanced attention mechanisms. • Contributed to the SynClub AI chat app by evaluating SOTA image generation models and optimizing text-to-image components for better performance and quality.	

AWARDS AND HONORS	<ul style="list-style-type: none"> • Graduate Academic Excellence Scholarship, The State Key Lab. LIESMARS, Wuhan University 2024.12 • Outstanding Student Leader, Wuhan University 2024.10 • Outstanding Student Club Leader, Wuhan University 2024.08 • Active Contributor to Social Activities, School of Remote Sensing and Information Engineering, Wuhan University 2022.10 • National Second Prize, China Software Cup College Student Software Design Competition 2022.08 • Honorable Mention, Mathematical Contest In Modeling 2022.03 • Third Prize, Asia and Pacific Mathematical Contest in Modeling 2021.12 • First Prize in Hubei Division, China Undergraduate Mathematical Contest in Modeling 2021.10 • Outstanding Student, Wuhan University 2021.09 • Bronze Medal, China Collegiate Algorithm Design & Programming Challenge Contest 2021.03 • Second Prize in Final, Translation & Interpreting Contest of Hubei Province 2020.05
SKILLS	<p>Languages: Mandarin, English.</p> <p>Programming: Python, C++, MATLAB, HTML, CSS, JavaScript, C#, SQL, R.</p> <p>Soft Skills: Leadership, Project Management, Event Management, Writing, Public Speaking.</p>
CERTIFICATES	<p>System Integration Project Management Engineer <i>Qualification Certificate of Computer and Software Technology Proficiency</i></p> <p>Certificate of Level 3 in Database Technology <i>National Computer Rank Examination</i></p> <p>Certificate of Level 3 in Network Technology <i>National Computer Rank Examination</i></p> <p>Certificate of Level 4 in Network Engineer <i>National Computer Rank Examination</i></p>
VOLUNTEER EXPERIENCE	<p>Volunteer of: 2023 International Graduate Workshop on Geo-Informatics, the 21st China Ocean Color Conference.</p> <p>Chairman of: the 22nd LIESMARS Graduate Student Union.</p> <p>Director of: GeoScience Café Operation Center.</p>