

JIAHAO NIE

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Nanyang Technological University, 50 Nanyang Avenue, Singapore, 639798

EDUCATION

- Nanyang Technological University (NTU), Singapore** *Jan. 2023 - Present*
Ph.D. in Computer Science
Supervisors: [Prof. Shijian Lu](#) and [Prof. Yap-Peng Tan](#)
GPA: 4.5/5.0
- Nanyang Technological University (NTU), Singapore** *Aug. 2021 - Aug. 2022*
M.S. in Signal Processing
GPA: 4.63/5.0
- Northwestern Polytechnical University (NWPU), China** *Sep. 2016 - Jun. 2020*
B.ENG. in Information Engineering
Outstanding Graduate
GPA: 88/100 Ranking: Top 10%

RESEARCH EXPERIENCE

Research Interest

Computer Vision, Artificial Intelligence

Rapid-Rich Object Search Lab, NTU

M.S. Dissertation Project & Research Associate *Sep. 2021 - Dec. 2022*

Supervisors: [Prof. Yap-Peng Tan](#), [Prof. Alex Kot](#), and [Dr. Shan Lin](#)

Center of Intelligent Acoustics and Immersive Communications, NWPU

Research Assistant *Aug. 2020 - Jul. 2021*

Supervisor: [Prof. Jie Chen](#)

Navigation Technology Engineering Center Laboratory, Tsinghua University

Summer Intern *Jul. 2019 - Aug. 2019*

Supervisor: [Prof. Qi Wei](#)

PUBLICATION

Cross-Domain Few-Shot Segmentation via Iterative Support-Query Correspondence Mining

*J Nie**, *Y Xing**, *G Zhang*, *P Yan*, *A Xiao*, *YP Tan*, *AC. Kot*, *S Lu*

IEEE/CVF Conference on Computer Vision and Pattern Recognition, **CVPR 2024**

Rewrite Caption Semantics: Bridging Semantic Gaps for Language-Supervised Semantic Segmentation

Y Xing, *J Kang*, *A Xiao*, *J Nie*, *L Shao*, *S Lu*

Advances in Neural Information Processing Systems, **NeurIPS 2023**

A Novel 3D Convolutional Neural Network for Action Recognition in Infrared Videos

J Nie, L Yan, X Wang, J Chen

IEEE International Conference on Information Communication and Signal Processing, **ICICSP 2021**

MISCELLANEOUS

Reviewer:

ICME 2024

Teaching:

SC2079/CE3004/CZ3004 Multi-Disciplinary Design Project, NTU, 2023 Fall, 2024 Spring

Activity:

Vice Chairman of Student Union, School of Marine Science and Technology, NWPU, 2017-2019

HONOR & AWARD

NTU IGP Research Scholarship	<i>2023-2027</i>
NWPU Outstanding Graduate of the University (Top 6% student)	<i>2020</i>
NWPU Outstanding Graduate of the School (Top 15% student)	<i>2020</i>
NWPU School-level Outstanding Student Award (three times & Top 15% student)	<i>2017 - 2019</i>
NWPU Special Scholarships (four times & Top 8% student)	<i>2017 - 2019</i>
Four national awards, including China Marine Vehicle Design and Manufacture Contest Outstanding Winner	<i>2017 - 2019</i>