

Jian Xu

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EDUCATION

University of Electronic Science and Technology of China

Sept 2017 - Jun 2020

Master's Degree in Communication and Information Systems

- **GPA:** 3.57/4.0
- **Core Courses:** Matrix Theory, Graph Theory and Applications, Stochastic Processes, Advanced Computer Networks

Nanchang University, Nanchang, China

Sept 2013 - Jun 2017

Bachelor's Degree in Communications Engineering

- **GPA:** 3.37/4.0
- **Core Courses:** Advanced Mathematics, Linear Algebra, Probability Theory and Mathematical Statistics

ACADEMIC PAPERS

- **Xu, J.**, and X. He. "DAF-Net: A Dual-Branch Feature Decomposition Fusion Network with Domain Adaptive for Infrared and Visible Image Fusion." *arXiv e-prints*, 2024, arXiv:2409.11642. (**Under review** at the IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)).

RESEARCH PROJECTS

High-Performance Framework for Multimodal Image Fusion

Mar 2024 - Sept 2024

First author, under revision

- Conducted a comprehensive literature review on the latest advancements in image fusion methods, focusing on addressing modality alignment challenges in current multimodal image fusion techniques.
- Proposed a domain-adaptive approach to improve the alignment of modal features.
- Developed a detailed research plan, which included outlining methods for investigation, defining model architectures, setting project milestones, and designing experimental protocols.
- Wrote experimental code to implement the proposed method, led the experiments, and authored the paper.

WORK EXPERIENCE

RingCentral Co., Ltd.

Jul 2021 - Nov 2023

Software Development Engineer in Test

- Led the development of an automated testing assistant software that is used across all departments within the company.
- Developed a portion of the automated testing scripts for the company, contributing to the establishment of an industry-leading automated testing pipeline.

Alibaba Group

Jun 2020 - Jul 2021

Backend Development Engineer

- Led the development of an advertising platform with daily traffic exceeding ten million visits, managing advertising operations for several company products.
- Developed a funds settlement system for several company products, providing settlement services for over 300,000 users.

AWARDS

- National First Prize, China Undergraduate Mathematical Contest in Modeling (CUMCM 2014)
- Honorable Mention, The Mathematical Contest in Modeling (MCM 2015)
- Outstanding Graduate, Nanchang University (2017)

SKILLS

Programming: Python, Java, JavaScript, Shell, Matlab

Machine learning Framework: PyTorch, TensorFlow

Language: TOEFL 91