Jian Xu

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Education

University of Electronic Science and Technology of China   **Sep. 2017 - Jun. 2020, China**
M.S. in Communication and Information Systems   *GPA: 3.57/4.0*
(The university ranked 35th among Chinese universities in the QS Rankings 2024.)

Nanchang University   **Sep. 2013 - Jun. 2017, China**
B.S. in Communications Engineering   *GPA: 3.37/4.0*
(The university ranked 79th among Chinese universities in the QS Rankings 2024.)

Relevant Coursework

- Graph Theory
- Random Processes
- Advanced Mathematics
- Systems Programming
- Matrix Theory
- Data Structures
- Linear Algebra

Publications

- **J. Xu** and X. He, "DAF-Net: A dual-branch feature decomposition fusion network with domain adaptive for infrared and visible image fusion," arXiv e-prints, p. arXiv:2409.11642, Sep. 2024. (Under review at the IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP))

Research Experience

University of Electronic Science and Technology of China   **May. 2024 - Aug. 2024**
Research Assistant

- **Project: High-Performance Framework for Multimodal Image Fusion**
  - ∗ Conducted a literature review on the latest advancements in image fusion methods, analyzing the approaches to addressing modality alignment issues in current multimodal image fusion techniques.
  - ∗ Formulated a research plan, including: outlining methods to be studied and tested, defining model architectures, setting project progress plans, and designing experimental procedures.
  - ∗ Wrote experimental code and independently conducted experiments.
  - ∗ Collected experimental results, analyzed the findings, and wrote a paper.

Work Experience

Ringcentral Inc. | *Software Development Engineer in Test*   **Jul. 2021 - Nov. 2023**

- Responsible for the development of a software automation testing framework designed for efficient and sustainable automated testing of software products developed by the company.
- Responsible for writing automated test scripts designed to perform automated testing of the functionalities of the company's website pages.

Alibaba Group | *Java Development Engineer*   **Jun. 2020 - Jul. 2021**

- Responsible for the server-side development of an advertising data distribution framework for ad placement on specific pages of a mobile shopping app.
- Responsible for the design and development of a caching system to ensure the security of specific pages within a mobile shopping app.
- Responsible for the development of a financial settlement logic for processing payments related to a paid service.

Skills

Programming Languages: Python, Java, JavaScript, TypeScript
Machine Learning Frameworks: PyTorch, TensorFlow
Statistical Tools: MATLAB, Stata
Others: Linux, Shell

Languages

Tofel: Total: 91 , Reading: 30, Listening: 21, Speaking: 19, Writing: 21