

TONGXIN WANG

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EDUCATION

Wuhan University, China

September 2022 - Present

M.S. in Artificial Intelligence, Supervisor: Prof. Mang Ye

Wuhan University, China

September 2018 - June 2022

B.S. in Software Engineering

Overall GPA: 3.85/4.00

PUBLICATION

TexFit: Text-Driven Fashion Image Editing with Diffusion Models.

Tongxin Wang, Mang Ye.

AAAI 2024.

FashionComposer: Multimodal Controllable Person Image Generation.

Tongxin Wang, Daiguo Zhou, Mang Ye.

Under Review at CVPR 2025.

EXPERIENCE

Multimodal Person Generation and Editing

June 2024 - September 2024

Xiaomi Internship

Wuhan, China

- Developing a unified multimodal person generation framework based on the Transformer-based diffusion models, which enables the composable control of different guidance conditions and input modalities.
- Submitted to CVPR 2025.

ICCV 2021 MMVRAC Challenge

May 2021 - July 2021

Team Member

- Winner of the Track-4 Person Re-Identification.
- Enhancing modeling effectiveness of ReID using dual-stream network architecture with Transformer and CNNs. The distance matrices obtained by Transformer and CNN models are integrated to improve the retrieval effect of the ReID model.
- Developing a visual interface system for evaluating the effects of ReID models.

HONORS AND AWARDS

China National Scholarship, Awarded by Chinese Ministry of Education

2024

First Prize, China Graduate AI Innovation Competition

2024

Excellent Undergraduate Student, Wuhan University

2022

Winner, ICCV 2021 MMVRAC Challenge Track-4 Person Re-Identification

2021

TEACHING EXPERIENCE

Digital Logic Circuit

Spring, 2023

Teaching Assistant

CS, Wuhan University

TECHNICAL SKILLS

Programming Language

Python, C++/C, JavaScript

Deep Learning Framework

PyTorch

Development Framework

Vue, Flask, Node.js

Hobby

Photography, Badminton