

FENG HE

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EDUCATION

Yangtze University	2019.09 - 2023.06
University of Science and Technology of China	2023.09 - 2026.06

RESEARCH EXPERIENCE

The National University Student Scientific Research Project, Leader(**1 / 500+**)

China Patent "A computer cooling device" (**The First Inventor**)

Selected Publications:

[1] BeautyDiffusion: Latents Decoupling in Makeup Transfer Diffusion Semantics(Major Revision, Information Fusion, **First author**)

[2] XLFM-Former: Rapid 3D Reconstruction for Light Field Microscopy(Under Review, ICCV2025, **First author**)

[3] Hugging Big Data Era: Adaptive Knowledge Transfer from Pre-trained Models to Various Data-limited Domains(Under Review, ICCV2025, **Co-first author**)

COMPETITION EXPERIENCE AND HONOR

National Undergraduate Computer Design Competition	National Third Prize
National University Entrepreneurship Comprehensive Simulation Competition	Provincial Second Prize
National Undergraduate Mathematical Modeling Competition	Provincial Third Prize
Merit Student	Yangtze University
Hanko Scholarship	Yangtze University
National Encouragement scholarship	China

INTERN EXPERIENCE

Institute of Semiconductors, Chinese Academy of Sciences, Research Assistant 2022-01-2023-10
Conducted research in computer vision, including tracking, reading, and reproducing state-of-the-art papers.

University of Texas at San Antonio, Research Assistant 2022-05-2022-10
Responsible for research on image generation. Mainly responsible for reproducing the latest papers, making improvements, and writing academic papers.

University of Science and Technology of China, Research Assistant 2023-09-Present
Responsible for research on AI-driven biological image analysis. Mainly responsible for reproducing the latest research papers, developing novel improvements, and writing high-impact academic papers.

TECHNICAL SKILLS

- Programming: Python (PyTorch, TensorFlow), C++, MATLAB
- Machine Learning: Deep Learning, Generative Models, Computer Vision
- Tools: Git, Docker, Linux, LaTeX

FULL LIST PUBLICATIONS

- [1] BeautyDiffusion: Latents Decoupling in Makeup Transfer Diffusion Semantics(Major Revision, Information Fusion, **First author**)
- [2] XLFM-Former: Rapid 3D Reconstruction for Light Field Microscopy(Under Review, ICCV2025, **First author**)
- [3] Hugging Big Data Era: Adaptive Knowledge Transfer from Pre-trained Models to Various Data-limited Domains(Under Review, ICCV2025, **Co-first author**)
- [4] Rethinking Weight Decay: Correcting Delay Defects and Optimizing with Refined Decaying(Under Review, ICCV2025, **Third author**)
- [5] Makeup Transfer:A Review(Accepted, IET Computer Vision(CCF-C), **First author**)
- [6] ACGAN: Age-Compensated Makeup Transfer Based on Homologous Continuity Generative Adversarial Network Model(Accepted, IET Computer Vision(CCF-C), **Second author and corresponding author**)
- [7] Optimization of a Bearing Fault Diagnosis Method Based on Convolutional Neural Network and Wavelet Packet Transform by Simulated Annealing(Accepted, Sensors(ESI Highly Cited Paper), **First author**)
- [8] Hyper-sausage coverage function neuron model and learning algorithm ((Accepted , Pattern Recognition(CCF-B), ESI Highly Cited Paper, **First student author**)
- [9] ICGNet: A Intensity-Controllable Generation Network based on the principle of homologous continuity for face attribute synthesis (Accepted, Information Sciences(CCF-B), **First student author**)
- [10] Dual Guidance Enabled Fuzzy Inference for Enhanced Fine-Grained Recognition(Accepted, IEEE Transactions on Fuzzy Systems(CCF-B), **Second author**)
- [11] Three-dimensional Softmax Mechanism Guided Bidirectional GRU Networks for Hyperspectral Remote Sensing Image Classification(Accepted, Signal Processing(CCF-B), **Co-author**)