

# ZHANGHAO CHEN

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## EDUCATION

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**Hangzhou Dianzi University**

B.S. in Computer Science.

*Sep 2021 - June 2025*

GPA: 4.79/5.0 (**Top 1%**)

**Southeast University**

B.S. in Computer Science.

*Sep 2025 - June 2028*

## RESEARCH INTEREST

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My research interest lies in the intersection of **Deep Learning and Computer Vision**, with a primary focus on **Medical Image Analysis**, including **Metal Artifact Reduction**, **Image Generation**, and **Large Vision-Language Models**.

## PUBLICATIONS

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**BS-Diff: Effective Bone Suppression Using Conditional Diffusion Models From Chest X-Ray Images**

Zhanghao Chen, Yifei Sun, Ruiquan Ge, Wenjian Qin, Cheng Pan, Wenming Deng, Zhou Liu, Wenwen Min, Ahmed Elazab, Xiang Wan, Changmiao Wang

**2024 IEEE International Symposium on Biomedical Imaging (ISBI)**

**UWAT-GAN: Fundus Fluorescein Angiography Synthesis via Ultra-Wide-Angle Transformation Multi-scale GAN**

Zhaojie Fang, Zhanghao Chen, Pengxue Wei, Wangting Li, Shaochong Zhang, Ahmed Elazab, Gangyong Jia, Ruiquan Ge, Changmiao Wang

**26th International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI2023)**

**UWFAA-GAN: Ultra-Wide-Angle Fluorescein Angiography Transformation via Multi-Scale Generation and Registration Enhancement**

Ruiquan Ge, Zhaojie Fang, Pengxue Wei, Zhanghao Chen, Hongyang Jiang, Ahmed Elazab, Wangting Li, Xiang Wan, Shaochong Zhang, Changmiao Wang

**IEEE Journal of Biomedical and Health Informatics**

**RTUNet++: Assessment of Osteosarcoma MRI Image Segmentation leveraging Hybrid CNN-Transformer Approach with Dense Skip Connection**

Binfeng Zou, Yifei Chen, Zhanghao Chen, Yifei Sun, Yifan Huang, Feiwei Qin, Changmiao Wang

**2023 8th International Conference on Signal and Image Processing (ICSIP)**

**Data Statistics Applications in Regulating the Balance of the Wildlife Trade**

Zhanghao Chen, Yifei Chen, Xuan Gao, Xinyu Zhu, Jianfei Liu

**2024 3rd International Conference on Artificial Intelligence, Internet and Digital Economy (ICAID 2024)**

**BS-LDM: Effective Bone Suppression in High-Resolution Chest X-Ray Images with Conditional Latent Diffusion Models**

Yifei Sun, **Zhanghao Chen**, Hao Zheng, Ruiquan Ge, Jin Liu, Wenwen Min, Ahmed Elazab, Xiang Wan, Changmiao Wang  
**In Preprint**

**PROJECTS**

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Upcoming

**STRENGTHS**

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Languages	C, C++, Python
Technologies	Pytorch, Latex
English Level	CET-6: 604
Hobby	Hiking, Badminton, Swimming, Photography, Guitar

**EXPERIENCE**

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Hangzhou Hikvision Digital Technology Co., Ltd., China <i>Algorithm Engineer</i>	Nov 2024 - Mar 2025
· Deep Learning-Based 3D Depth From Focus for Extended Depth-of-Field Microscopy	
· Mentor: Baobei Xu	

**AWARDS & HONORS**

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National Scholarship (Top 0.4%)	2023-2024
Zhejiang Provincial Government Scholarship (Top 3%)	2022-2023
Zhejiang Provincial Government Scholarship (Top 3%)	2021-2022