

Hui (Marcus) Shen

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Education

The Ohio State University (GPA: 3.86/4.0)	Columbus, OH
Major in Computer & Information Science	01/2023 - Present
Zhejiang University	Hangzhou, China
Major in Computer Science & Technology (Transfer Out)	06/2022 - 12/2022
Hangzhou City University	Hangzhou, China
Major in Computer Science & Technology (Transfer Out)	06/2020 - 06/2022

Publications

P1 FedAIoT: A Federated Learning Benchmark for Artificial Intelligence of Things

Samiul Alam, Tuo Zhang, Tiantian Feng, Hui Shen, Zhichao Cao, Dong Zhao, JeongGil Ko, Kiran Somasundaram, Shrikanth S Narayanan, Salman Avestimehr, Mi Zhang.

arXiv preprint arXiv:2310.00109.

P2 Artificial Intelligence of Things: A Survey

Shakhrul Iman Siam, Hyunho Ahn, Li Liu, Samiul Alam, Hui Shen, Zhichao Cao, Bhaskar Krish-namachari, Mani Srivastava, and Mi Zhang.

Under review

P3 Electrocardiogram Instruction Tuning for Report Generation

Zhongwei Wan, Che Liu, Xin Wang, Chaofan Tao, Hui Shen, Zhenwu Peng, Jie Fu, Rossella Arcucci, Huaxiu Yao, Mi Zhang.

arXiv preprint arXiv:2403.04945.

Experience

Research Assistant	The Ohio State University	09/2023 - Present
<ul style="list-style-type: none">◦ Advised by Prof. Jingbo Meng.◦ Designed AI chatbots (with GPT4 model) for social support (i.e, supportive communication about advice and empathy).		
Research Assistant	The Ohio State University	04/2023 - Present
<ul style="list-style-type: none">◦ Advised by Prof. Mi Zhang at AIoT and Machine Learning Systems Lab◦ Assisted in the experimental component of FedAIoT, a federated learning benchmark for the Artificial Intelligence of Things. (see P1)◦ Conducted extensive research and thoroughly reviewed approximately 100 papers in mobile computing, contributing to the writing and table/figure design of the Mobile Computing section in Artificial Intelligence of Things: A Survey. (see P2)◦ Collaborated in the experimental and coding components of a research paper on electrocardiogram reports generation utilizing LLMs. (see P3)◦ Designed and developed our Research Group's website using React/JavaScript. (https://aiot-mlsys-lab.github.io/)		
Information Technology Intern	Swire Coca-Cola China	06/2022 - 08/2022
<ul style="list-style-type: none">◦ Developed Python scripts to streamline workflows for various departments within the company.		
Teaching Assistant	Hangzhou City University	09/2021 - 01/2022
<ul style="list-style-type: none">◦ TA in Introduction to Computer Science		

Awards and Honors

Dean's List (SP23, SU23, AU23) , The Ohio State University	2023
Shaoxiang Wei Freshman Elite Scholarship , Hangzhou City University	2020

Skills

Programming Languages: Python, Java, C, JavaScript/HTML/CSS

Tools and Frameworks: Git, PyTorch, Linux, React, LaTeX