Hui (Marcus) Shen

📞 (+1) 380-997-9722 | ✉ shen.1780@osu.edu | 🐙 NastyMarcus | 🔗 Hui Shen | 👤 marcusshen1227.io

📍 1180 Chambers Rd., Columbus, OH 43212

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, <u>Hui Shen</u>, Zhichao Cao, Dong Zhao, JeongGil Ko, Kiran Somasundaram, Shrikanth S Narayanan, Salman Avestimehr, Mi Zhang.

arXiv preprint arXiv:2310.00109.

P2 Electrocardiogram Instruction Tuning for Report Generation

Zhongwei Wan, Che Liu, Xin Wang, Chaofan Tao, <u>Hui Shen</u>, 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

- 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

- 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 a survey paper, which currently under review.
- Collaborated in the experimental and coding components of a research paper on electrocardiogram reports generation utilizing LLMs. (see P2)
- 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

- Developed Python scripts to streamline workflows for various departments within the company.

Teaching Assistant	Hangzhou City University	09/2021 - 01/2022

- 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