



# 東南大學

Liu, Hao

Associate Professor

IoT Department, National ASIC System Engineering Research Center  
Director of Suzhou Key Laboratory of Integrated Circuits and Systems  
School of Electronic Science and Engineering, Southeast University  
Telephone: +86 18761962052 | E-mail: [nicky\\_lh@seu.edu.cn](mailto:nicky_lh@seu.edu.cn)  
Personal Website: <https://electronic.seu.edu.cn/lh/list.htm>

Dear Admission Officer,

My name is LIU Hao, and I am an associate professor in the School of Electronic Science and Engineering at Southeast University. I am pleased to write this letter to support the graduate school application of Mr. SUN Hanshi, who is currently a senior in our program. I have been Mr. Sun's research advisor in the Student Innovation and Entrepreneurship Project since the fall of 2020 and served as his professor in the Microcomputer Experiment course in the fall of 2021. Thus, I believe my information and insight on Sun will embrace a certain degree of objectivity as well as scientific accuracy.

In the fall of 2020, Mr. Sun expressed his interest in joining my lab to conduct the Innovation and Entrepreneurship Project of Energy-efficient DNN Algorithm for ECG Classification, which lasted for more than one year and produced two papers. As the leader of a seven-person team, Sun developed a hardware-friendly ECGNet for arrhythmia detection. During the project, my detailed impression of this young talent is that I found he is a very kind student who will devote his utmost efforts when his interests were ignited. I recalled that Mr. Sun proposed a 17-class arrhythmia classifier based on CNN blocks. He solved the problem of environment configuration, paper reproduction, and academic paper writing. He is well-organized and committed to producing open-source code to contribute to the community. Also, Mr. Sun's performance in the oral defense for the provincial-level project reflected his strong verbal and written skills.

In the classroom, Mr. Sun stood out from his peers as he selected the most challenging experiment and performed well with the top mark of 97/100, graded as A. His active participation in class discussion and research projects speak for his strong interests and proactive attitude toward learning new knowledge. The experimental report he wrote in detail showed excellence in content, organization, tone, and style, supported by extensive data and abundant graphs.

For these reasons, I offer my strongest recommendation to Mr. SUN Hanshi. I have high expectations for his future, as he is one of the best students I have ever had. Please do not hesitate to contact me if you have any further questions.

Best regards,

*Liu Hao*