



西安交通大学
XI'AN JIAOTONG UNIVERSITY

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To Whom It May Concern,

My name is Wei Ke. I'm an associate professor at the School of Software Engineering, Xi'an Jiaotong University, China. I lead a research group on computer vision since 2020. Before that, I was a postdoc at Robotics Institute, Carnegie Mellon University. I am honored to recommend Mr. Qi Sun for your program.

I met Qi in my Discrete Mathematics Fundamentals course during the first semester of 2021-22 academic year, in which Qi got an A grade. I was deeply impressed by his learning ability and unremitting efforts.

Besides the course, I had two very happy research periods working together with Qi. In the 2022 National College Student Innovation and Entrepreneurship Training Program, I released a topic of Visual Configuration of Smart Switches and Appliance Connection to simplify the adaptation of smart switches to common household electric appliances. Qi participated in the project as team leader. In this project, the team deployed a hardware platform to simulate the deposit home environment and developed an App to visualize and configure the connections of the smart switches. The project got an excellent conclusion in the final defense.

From the beginning of this full semester, Qi is responsible for the work in large vision model compression as a research assistant of my group. This research project is supported by the National Natural Science Foundation of China. Qi has read dozens of papers and proposed to use relation preserving based knowledge distillation for lightweight the large model, in which the structure of feature space as well as the predicted label are restricted to be kept the similar between the teacher model and student model. After discussion, I thought it was novel and feasible. He is now setting up the experimental framework.

Qi shows outstanding academic performance and professional research ability in both research and projects. He is a remarkable student with a strong motive to explore new approaches and advanced research thinking. He deserves my recommendation without reservation. If you have any questions or concerns, please do not hesitate to contact me.

Best regards,

Wei Ke

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