Dear Sir/Madam,

I am writing this letter to strongly recommend Mr. Chih-ho Hsu for your esteemed Ph.D. program. Chih-ho is an undergraduate member involved in the research project that I collaborated with Prof. Hung-Yu Wei. In the past two years, Chih-ho has demonstrated his ability to work independently with great creativity and enthusiasm. I'm confident that he has both the personal and professional maturity to be a valuable member of your department.

In my view, Chih-ho is definitely a clever and hardworking person. When he came to join our project, he was in charge of investigating Network Function Virtualization (NFV) techniques for orchestrating edge computing entities. He always planned his schedule and weekly presented his research progresses to our study group. Meanwhile, he was very passionate to read relevant papers and had raised several insightful questions in our group meeting. I believe both his persistent personality and his enthusiasm for learning will continually make him an active student at graduate school.

Chih-ho owns a strong mathematical background as well as creativity. I have once collaborated with him on mobility-aware task offloading for the vehicular network. Through his rigorous derivation, he has designed the mathematical model for our problem and provided a feasible optimization method for it. Meanwhile, he also has keen insight into deep learning and can always think out of the box. By combining the traditional neural network and optimization methods, he has come up with a novel framework that can adaptively learn the optimal offloading policy for vehicular tasks with dynamic configurations. Due to his significant efforts in this work, I'm proud to let him to present our research results at IEEE Vehicular Technology Conference (VTC), 2021.

Chih-ho also displayed outstanding communication ability and great research potential to me. Recently, he has collaborated with my group on surveying techniques for resource management of edge computing systems. We have discussed several future research directions of edge computing and use-cases in the 6G scenarios, and he can always grasp the key characteristics of them immediately. In addition, he has helped us organize the state-of-the-art literature and the context of our survey. Thanks to his work that laid the foundation, we have developed much further study.

Mr. Chih-ho Hsu is undoubtedly the most promising student I have worked with. Based on his accomplishments and high passion to research, I'm sure that he can result in significant contributions at your school. I also believe it is very beneficial for your school and himself to continue his academic journey in the graduate program, and thereby I give him my highest recommendation.

Sincerely yours,
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