Dear Admissions Committee,

I am glad to recommend Chi-Yao Huang for admission to your graduate school program. I am a consultant in Advanced and Creative Team(AC-TEAM) in HTC VIVE. I currently co-work with Chi-Yao in a project entitled “Scene”, which aims to detect obstacles in the indoor environment and to help VR users set up the playing region.

Chi-Yao showed his problem solving ability in the project “Scene”. For constructing an obstacle map, the data structure should be carefully selected. Chi-Yao chose the voxel hashing as the container and got an efficacious computing result. On the other hand, Chi-Yao is able to efficiently study new knowledges and to have strong practical ability. I have suggested 6 depth estimation papers in computer vision field for AC-TEAM’s Scene project. Chi-Yao quick researched them and practiced the most suitable one, *“Fast cost-volume filtering for visual correspondence and beyond”*, for the project in few days. As a result, his project is on the way to be implemented to the newest product in HTC VIVE.

Furthermore, based on his engineering experience, Chi-Yao is sensitive to computing cost on embedded system. He always considered the practicability and the parallelizability of algorithms. Chi-Yao is a rare talent with both solid computer vision background and commercialization experience. (產品化經驗或實務經驗)

In sum, with his performance in HTC VIVE, I believe that Chi-Yao will perform well in his chosen program and prove to be of great value to your institution. Education at your university will constitute a great opportunity for Chi-Yao to further develop his abilities in scientific research areas. I have no reservations in highly recommending Chi-Yao to you.

Sincerely,

Professor Winston H. Hsu

Department of Computer Science and Information Engineering

National Taiwan University