



中山大學

SUN YAT-SEN UNIVERSITY

To Whom It May Concern,

I am writing in support of the postgraduate application of Mr. Liu Shuo, a promising youth in my eyes. I have guided him in professional study and research for about two years, thus knowing him much.

Shuo impressed me with his activeness in study in my Java and Object-Oriented Design course during his sophomore year. As far as I know, besides completing all academic tasks with efficiency, he studied *Introduction to Programming in Java* independently and realized most of the codes in the book on his own. I gave him the score of 97 in praise of his hunger for new knowledge and firm mastery of what I taught.

In light of his academic excellence, I consented to his request to join my laboratory Inplus Lab. As a member of Blockchain and Smart IoT Team, Shuo remained passionate about experiments, actively attended internal seminar, and always had hot discussion with me and senior students about professional topics. As both a student and a partner of mine, he cooperated with me to complete the paper *Blockchain-Based Digital Goods Trading Mechanism in Internet of Vehicles: A Stackelberg Game Approach*, in which we proposed a two-layer Stackelberg Game digital goods trading mechanism to increase the total utility by motivating each party to participate in trading. I speak highly of his capacities for detailed exploration, rigorous proof, as well as insightful analysis that he exhibited in this research.

Shuo gave me more surprises in my Advanced Software Engineering Training course during his junior year. He did a good job with his teammates to set up a DJI Onboard SDK development environment in Linux and to implement a M600 Pro flight control program. As a pivotal member in his team, he led his team to design a satisfactory Android application capable of acquiring and processing the captured videos by drones. I appreciated his team spirit and decent study, hands-on development and problem-solving capabilities.

Given his all-sided performance, I am sure about his qualification for your program and abilities to stand out in graduate studies. I place high hopes on him and anticipate his further achievements with your education.

Sincerely,