

Date: 15th Aug 2022

RE: Recommendation letter for Mr Pang Kai Yi

I have known Kai Yi in the capacity of project supervisor for VR331, Augmented gauntlet - novel haptic gesture glove for machine interface, a EG3301R project where he is a key team member working along with 4 other students on a 2-semesters design capstone project. The project is offered by the Innovation and Design Programme.

Kai Yi's team uses design thinking methodology to identify the gaps in gesture interfaces for users with special needs. They have approached various stakeholders from the Muscular Dystrophy Association Singapore, Cerebral Palsy Alliance Singapore (CPAS) and NUHS in order to build user personas and translated user requirements into project specifications. His team has developed a few glove prototypes with useful features to validate the assumptions and problem-solution fit. Kai Yi has demonstrated strong leadership in project coordination and has contributed thoughtfully to the concept development and prototyping. His team has been awarded the \$10k practicum grant. The project has a high potential of changing the way users interact with digital interfaces more intuitively.

Despite no prior training in gesture interfaces and Virtual and Augmented Reality technology, his inquisitive nature and analytical reasoning capability enabled him to familiarize with the problem space and issues in a short time. Evidently, he is resourceful in contacting users and project collaborators to understand their perspective and carry out research independently. I recognise Kai Yi's enthusiasm in innovation and entrepreneurship.

We need more engineers like him who is well versed in design and engineering, to push the boundary of innovation.

Feel free to contact me at etkhoo@nus.edu.sg if you have any questions. Thank you.

Sincerely,



Dr Khoo Eng Tat
Senior Lecturer
Innovation and Design Programme
NUS College of Design and Engineering