

11 May 2023

To whom it may concern

Re: Letter of Recommendation for Ng Chen-Xuan (IC: T1100700C)

It gives me great pleasure to write this letter of reference for Ng Chen-Xuan. Since 2020, Chen-Xuan has been attending courses at Coding Lab, where he has undergone training in Python (>70 hours), App development (40 hours) and C++.

Chen Xuan's notable achievements include receiving a Distinction and Judges' Choice (Most Creative) award in the Ages 10 to 12 (Python) category for the [International Coding Showcase 2021](#). Especially outstanding was his Python game created using the Turtle module. In his project, Chen-Xuan utilized advanced algorithms to perform checks within the program to ensure that the maze created is unique and feasible, with functional features such as a countdown timer.

During his time with us, Chen-Xuan has covered topics such as Data Types, Conditionals, Loops (While and For), Functions, Lists, Dictionaries, and Object-Oriented Programming (OOP). He has also explored various Python modules including Random, Math, Matplotlib, and Pygame. Chen-Xuan has applied his knowledge of Conditionals, Procedures, and Mathematics to develop sophisticated apps that showcase his technical proficiency and creativity. One such app - *Quiz Me* exemplifies his dedication to leveraging technology for positive impact. In this project, he demonstrates excellence and attention to detail, prioritizing the user experience to ensure a pleasant app interaction. Moreover, Chen-Xuan showcases his programming prowess by incorporating multiple difficulty levels and separate subjects, resulting in a robust and thoughtfully designed quiz program.

Demonstrating a strong interest in programming and exceptional intellectual aptitude, Chen-Xuan was selected amongst his peers to train for the National Olympiad in Informatics (NOI) in April 2023 and by his school to compete in the Hwa Chong Infocomm Challenge in May 2023. Additionally, he has also won the Distinction and Judges' Choice (Most creative) award in the Ages 10-12 (Python) category for the [International Coding Showcase 2022](#).

Chen-Xuan is an independent learner who has shown keen interest and passion in programming. He has shown a strong ability to tackle complex problems, and is often able to decompose problems, recognise patterns, and apply logical thinking to develop programs that are beyond his age. He constantly extends his programs beyond the requirements of the specifications.

I have every confidence that Chen-Xuan will be an excellent addition to your student body. I highly recommend Chen-Xuan and look forward to seeing him shine in your institution.

Thank You,



Candice Wang
Director, Coding Lab