



JOEL ONG JIA QUAN

COMPUTER SCIENCE UNDERGRADUATE

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PROFILE

Aspiring programmer with theoretical, practical and real-life experience in developing and deploying applications. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team. Always seeking improvement and knowledge, ready to crunch and do all it takes to go beyond the requirements.

SKILLSETS

C++	★★★★★
Java	★★★★☆
Flutter	★★★★☆
Unity3D	★★★★☆
Python	★★★★☆
React	★★★☆☆

INITIATIVE

Learning from Udemy Tutorials

Flutter

Developed a To-Do-List App

ReactJS

Developed a Portfolio Website

Java

Developed a Motivation Quote App

Developed a chat app with backend services using Firebase Real-time Database

Participated in Coding Events

IMDA Open Innovation Platform Project (May 2020 – June 2020)
Game Jam (2017) (2019)

EDUCATION

DigiPen Institute of Technology Singapore

Bachelor of Science in Computer Science Real-Time Interactive Simulation – Degree

Sep 2018 – Present

- Studied C, C++, Python, data structures and algorithms.
- Worked on several game projects where we have to create our own custom game engine using C++ from scratch.

Nanyang Polytechnic

Diploma in Game Development & Technology – Diploma

March 2013 – March 2016

- Studied how to develop applications like mobile game app using Java and Unity3D, building websites from scratch, building PC games with C++ and OpenGL from scratch.

WORK EXPERIENCE

Nanyang Technological University

Centre for Healthy and Sustainable cities – Software Engineer Intern

June 2015 – August 2015

- Worked on a PC game application using Kinect and Unity3D Engine, targeted for the elderly to promote exercising.

PROJECTS

Apotcalypse (C++ PC Game Application)

DigiPen Year 3 Project (Sep 2020 – Apr 2021)

Tools Programmer | Audio Programmer | Editor Programmer

Let's Collab (Java Mobile Application)

IMDA Open Innovation Platform Project (May 2020 – June 2020)

Frontend Programmer | Backend Programmer

Amber (C++ PC Game Application)

DigiPen Year 2 Project (Sep 2019 – Apr 2020)

AI Programmer | Gameplay Programmer

QuoteForYou (Java Mobile Application)

Personal Project (Feb 2018 – Mar 2018)

Frontend Programmer | Backend Programmer | UI&UX Designer