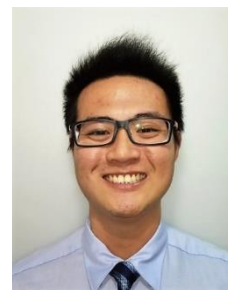**John Wei Kang ONG**
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Email: weikang.ong@u.nus.edu
Skype: ongwk95@hotmail.com

Personal Statement

Internship Objective

Through the internship, I hope to make a positive impact for the company I work for, contributing in any way I possibly can. It will also be a good networking opportunity for me to interact and find like-minded individuals in the startup and software scene. I also hope to deepen knowledge in my specialisation, software engineering by picking up more technical skillsets that the company require.

About Me

I am currently a Year 2 computer engineering student. As an avid programmer, I hope to innovate better technologies to improve people's lives. To reach this aspiration, I participated in various events and hackathon to hone my skillsets. One particularly memorable experience was from the Startup Weekend Singapore Mega Event, hosted by Techstars, where teams turn ideas into startup in 54 hours. My team developed a location-based interest app for users with similar interests to mingle. This was an eye-opening experience for me as I went through the different stages of a startup. I aspire to put the knowledge and skills into a startup aimed at improving people's lives in the future.

Strength

One of my strength is my ability to lead. I can rise and take lead naturally when there is a need, uniting the team towards a common goal. Another one of my strength is my ability in interpersonal communication skills. I can communicate clearly my ideas and thoughts with people of diverse background and build good relationships. Lastly, one of my strength is my ability to be strongly independent. Having served in the military for two years, I was exposed to harsh and hostile elements as part of my resilient training. This has taught me to adapt and adjust quickly to a new environment.

Work Experience

I had recently concluded an internship at Manifera Software Development Pte Ltd. As a software development intern, I led a team of 7 engineers to develop an inventory management system for KK Women's and Children's Hospital. I was also the lead developer for the web based management application which interact with the hardware sensors to provide real-time inventory monitoring. This was an enriching experience because I was given the opportunity to develop the whole concept from ideation to a sustainable business model.

How can I contribute

I am willing to contribute to the company in any way I can. Apart from software development, I am willing to pick up new skillsets the company needs. Given my strong leadership qualities, I will be able to lead a team in a project confidently and can contribute unique ideas and solutions. With a strong set of technical skills, I am excited and confident in learning and contributing in the technical development.

Education

Aug 2016 - Present	**National University of Singapore** Bachelor of Computing (Honors) in Computer Engineering *(Course details in Appendix A)*
Jan 2012 - Dec 2013	**Anderson Junior College** • Singapore-Cambridge General Certificate of Education Advanced Level • Subjects: Physics, Chemistry, Mathematics, Economics

Work Experience

May 2017 – Aug 2017	**Manifera Software Development Pte Ltd** *Software Development Intern* • Led a team of 7 engineers to develop an inventory management system for KK Women's and Children's Hospital • Developed a web based management application using MEAN framework • Integrated hardware sensors and software for a seamless monitoring system
Feb 2014 – Jun 2016	**42nd Battalion, Singapore Armored Regiment** *Section Commander* • Awarded Best Commander for the month of April 2015 for display of dedication and leadership • Served as an Armor Driving Tester

Scholastic Achievements/Extracurricular Activities

Sep 2017 – Oct 2017	**Startup Weekend Mega Singapore Event** • Led a team of 7 participants in conceptualizing an idea into a startup within 54 hours • Developed a location-based interest app prototype
May 2017 – Aug 2017	**Orbital Project** • Led a team of 2 as part of a self-directed and independent software development project • Co-developed an Android game app using Unity development
Jan 2017 – Feb 2017	**IDEa$ Challenge Hackathon** • Led a team of 4 freshmen across engineering and business faculties • Developed a seat management system for libraries • Achieved Best Participants Award
Jan 2012 - Dec 2013	**Anderson Junior College** • College Class Leader Award for recognition of contributions to college activities • Platinum Social Service Award for contributing more than 300 hours of community service

Skill Sets & Proficiency

Programming	Java	Proficient
	C	Proficient
	C++	Basic
	C#	Basic
Web	HTML	Intermediate
	CSS	Intermediate
	JavaScript	Intermediate
	PHP	Intermediate
	Node.js	Intermediate
	jQuery	Intermediate
	AngularJS	Intermediate
	Express Framework	Intermediate
Database	MongoDB	Intermediate
Integrated Development Environment	IntelliJ	Proficient
	Atom	Proficient
	Unity	Intermediate
	Eclipse	Intermediate
	Visual Studio	Basic
Server Management & Network	Server Setup/Maintenance	Basic
Version Control Tools	Git	Proficient
Operating Systems	Windows XP, 7, 10	Proficient
Hardware Design	HDL (Verilog)	Proficient
	Arduino prototyping	Proficient
	Circuit design	Basic
Non-technical Skills	Project Management	Proficient

Language Proficiency

Spoken	English – fluent; Mandarin – fluent
Written	English – competent; Chinese – average

Degree: Bachelor of Computing (Honors) in Computer Engineering
Cumulative Average Point: / 5.00

Classification	Course Name	Grades
Software Development	Introduction to Computer Engineering	
	Programming Methodology	
	Data Structures and Algorithms I	
	Discrete Structures	
	Software Engineering	
	Computational Thinking	
	Independent Software Development Project (Orbital)	
Hardware Development	Electrical Engineering	
	Devices & Circuits	
	Real-Time Operating Systems	
	Digital Fundamentals	
Interpersonal Skills	Critical Thinking & Writing	
	Effective Communication for Computing Professionals	
Others	Introduction to Design Thinking	
	Mathematics I	
	Mathematics II	

NUS Grading Scale:

A+ & A (5.0); A- (4.5); B+ (4.0); B (3.5); B- (3.0); C+ (2.5); C (2.0); D+ (1.5); D (1.0); F (0)

S = Satisfactory; U = Unsatisfactory

CS = Completed Satisfactorily; CU = Completed Unsatisfactorily

EXE = Exempted; IC = Incomplete; IP = In Progress; W = Withdrawn