Yeo Junkai

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE | B.Comp in Computer Science
Expected May 2020 | Currently 2nd Year

- In the University Scholars' Programme (USP), developing **critical thinking and academic writing** on matters regarding a wide spectrum of topics such as Human Trafficking and Nostalgia
- Finished major core modules including **Design & Analysis of Algorithms, Software Engineering, Computer Networks** and **Operating Systems**

SINGAPORE POLYTECHNIC | Diploma in Aeronautical Engineering
Graduated May 2014 | GPA: 3.79 / 4.00

- **Director's Honours Roll** (3rd Year)
- **Distinction** in Mechanics, Engineering Mathematics & Communication Skills for Work
- Grade "A" in **leading a team of four students** in research for techniques and methods for the Development of Composite Structures to create a lightweight composite scooter
- 200 hours of laboratory experience in material **testing, analysis and practical hands-on workshop skills**

PROJECTS

THIS.PLACE | Designer | Developer
Jan 2018 - Current | Game Development Project

- **Responsible for main design decisions** and heavily involved in conceptualisation of game mechanics and level design
- Working with a team of 6 to build the game from ground up with **Unity**
- Demo - available at *https://bit.ly/2DYPkcT*

SALES NAVIGATOR | Developer
Aug 2017 – Dec 2017 | Software Engineering Project

- **Wrote over 4,000 lines of code in an existing code base of over 10,000 lines of code** to implement features such as the Events CRUD System and the Timeline display for users to plan and reference their appointments
- Took on the role of ensuring quality automated testing of the software by working with other developers on their written tests, resulting in over 80% test coverage
- Written in Java - available at *https://bit.ly/2pBRZnK*

TRAVELGOGO | Web Developer
May 2017 – Aug 2017 | Personal Summer Project

- **Learnt Angular framework, Firebase Database** management and **Google Maps API** to create a web application that allows users to plan their travel itinerary
- Acquired "Gemini" Tier Award - given to projects of good calibre
- Built using Angular, Firebase and written in JavaScript - deployed on Firebase and available at *https://bit.ly/2Gi5umT*

EXPERIENCE

CHINA UNIVERSITY OF SCIENCE & TECHNOLOGY | Maintenance Trainee
Mar 2013 - Apr 2013 | Hsinchu, Taiwan

- Acquired 174 hours of maintenance, repair and overhaul experience under a maintenance training organisation approved by the Civil Aviation of Taiwan

SINGAPORE ARMED FORCES | Faculty Trainer
Sep 2015 – Aug 2016 | Singapore

- Taught and trained over 70 cadets in the SAF Specialist Cadet School, ensuring the proficiency in skills and knowledge for their future roles
- Involved in **planning and execution** of local and overseas large-scale school-level events with over **800 participants**

SKILLS

PROGRAMMING

Proficient | Over 5000 lines:
Java ● JavaScript

Intermediate | Over 1000 lines:
C# ● C++ ● HTML● CSS ● Unity ● Angular Framework

Familiar Languages/Technologies:
Python ● LATEX● Android ● Firebase ● Google Maps
Unreal Engine ● OpenGL ● HoloLens Development

SPOKEN & WRITTEN LANGUAGES

Native Fluency:
English

Limited Working Fluency (ILR):
Chinese

COURSEWORK

Programming Methodology ● Data Structures & Algorithms ● Design & Analysis of Algorithms ● Linear Algebra
Software Engineering ● Computer Networks ● Operating Systems ● Statistics & Probability ● Computer Organisation

INTERESTS

NUS MOUNTAINEERING | MEMBER

Aug 2017 - Current
- Big on adventuring and exploring landscapes and scenery
- Trekked up to Everest Base Camp in May 2017

NUS HACKERS | MEMBER

Aug 2016 – Current
- Participant in weekly talks to gain insights on technology and to support hacker culture
- Active on hacker culture - participated in hackathons such as NUS Hack'n'Roll, NTU Hackathon and GameCraft, creating a scheduling application, telegram bot to record payments and a workable game just for fun