

# YEO JUNKAI

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## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE | B.COMP IN COMPUTER SCIENCE

Expected May 2020 | Currently 2<sup>nd</sup> 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 | Director's Honours Roll (3<sup>rd</sup> Year) | GPA: 3.79 / 4.00

- **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 in 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 and Firebase Database management** 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 LANGUAGES

Over 5000 lines:

Java • JavaScript

Over 1000 lines:

C# • C++ • CSS

Familiar:

LaTeX • Python • Android • Firebase

## 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