

Lee Kay Yen

GAME DEVELOPER AND NUS UNDERGRADUATE (CIVIL ENGINEERING AND COMPUTER SCIENCE DOUBLE MAJ.)

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Profile

Having eagerness and the ability to learn new skills, I am ready to give up anything it takes to break in and develop games in the industry.

As I am currently pursuing a major in CS, I believe that I would be able to quickly understand any technical concepts that needs to be learnt.

Having served physically and mentally rigorous roles in National Service (NS) and also winning national/school medals for my team/school, I believe I also possess the right mindset to be a good team player.

Relevant Coursework

OOP Design (Java, Vim), Data Structures and Algorithms (Java), Machine Learning (Python), Discrete Math, Programming Methodologies.

Relevant Game Projects

"Zork!" - Game logic and class design

April 2022 — April 2022

Inspired by the early 80's game, Zork, this was done during the semester as an assignment within a Programming Methodology Course (CS2030 from NUS) in Java through Vim. Also helped other students through the design process on the module's forum.

"Simple Shooter", "Toon Tanks", "Building Escape" - UE4 basics

June 2021 — August 2021

Through Gamedev.tv, I made a few small games with guidance. I was taught how to implement basic features within UE4 eg. line tracing, built-in A* search algorithm for other entities, and simple C++ code. It served as a introductory tour of how a game engine works, and how to implement built-in features using a fully-developed game engine.

Education

Civil Engineering & Computer Science (Double Major) Student, National University of Singapore, Singapore

August 2020 — Present

Achievements and Activities

- Achieved Top 10% of the Faculty of Engineering in 2020/2021.
- Clinched 3rd Place in Housing Development Board (HDB Book Prize) Engineering Design Contest
- Maintaining a First Class Honors grade of 4.62/5.00, while taking up 2 majors. (Civil Engineering and Computer Science).
- Designated Team Leader for all group projects done, achieving almost all A grades for all modules with a heavy group component.

Details

Nationality

Singaporean

Links

[JP-EN Translation Works](#)

[Github Code Repository](#)

[Eg. of Built Website for School Projects](#)

Skills

Engin. Background in Maths/Phy

Language Learner

Object Oriented Programming

Vim

Data Structures and Algorithms

-Well-Versed with Weebly.com (Website Builder), using it to accentuate appearances and presentation of projects.

Science GCE A-Level , Jurong Junior College (JJC), Singapore

February 2016 — December 2017

Achievements & Activities

-Achieved the EAGLES Award for both 2016 and 2017 (Edusave Award for Achievement, Good Leadership and Service).

-Awarded the Colors Award (For Achievement in Sports) by the Singapore Schools Sports Council, for both years 2016 and 2017.

-Under the JJC Taekwondo Club, achieved 2x Overall Champions (A Division Males), 2 Silver medals, and 1 Bronze medal spanning over both years 2016 and 2017.

-Achieved a Individual Bronze Medal for the 2016 Taekwondo Nationals.

Employment History

Infantry Soldier (National Service), Singapore Armed Forces, Singapore

April 2018 — February 2020

Contributions and Achievements

-National Service (NS) Excellence Award in 2021 (achieved during Reservist)

-Assisted with the execution of outfield missions on the field as a soldier, ensuring that the mission is a success, even in large-scale overseas exercises (Brunei and Taiwan).

-In-charge of leading a class of student as performers in the annual National Day Parade (NDP 2019), managing the behind-the-scenes costume logistics and individual student's attendance and well being to ensure smooth flow of events.

Skills

JP-EN Video Translator, Aegisub Software

July 2018 — Present

Besides taking up a second major in computer science, I have also been a learner of Japanese for 5 years, leading me to create many JP-EN translations of modern-day Japanese media, which can be found on the internet (garnering a total of over 120K views). Some of my translations and coined terms for the episodes translated are used by media websites such as Crunchyroll, and Japankyo.