Lee Seung Yoon

+65 9772 1305 | sylee5750@gmail.com | 24 Fernwood Terrace #16-01 458554

EDUCATION

National University of Singapore, College of Design and Engineering   **Singapore**
BSc | 1st Class Honours (As of December 2024)   Aug 2023 - Present
- Programming Languages: C, C++, C#, Java, Python

Victoria Junior College   **Singapore**
'A' Level Certificate   Dec 2020
- Total of 87.5 Rank Points
- Subjects taken: H2 Physics, Chemistry, Mathematics, Economics (AAAA), and H3 Chemistry (Merit)

TECHNICAL PROFICIENCY

- Programming Languages: C, C++, C#, Java, Python, MATLAB, Verilog
- Computing Fundamentals: Computer Networks, Operating Systems, RCS (CLI Git and GitHub)
- CEG Fundamentals: Arduino, Bare Metal Programming (ATMega), Digital Design (FPGA, Verilog), RTOS
- Games / Computer Graphics: Unity 2D/3D, Blender (including API), OpenGL, Fusion360

EXPERIENCE

NUS Summer Orbital Project   **Singapore**
Game Design and Development   May 2024 – July 2024
- Designed and developed a 2D platformer game with another NUS student using the Unity Game Engine in C#
- Git/GitHub: Tracking the development of the project in a safe environment (Link for GitHub)
- FL Studio 21: Production of background music for the game
- Adobe Premiere Pro: Editing of intro and promotional video of the game (Link for Video)
- Designed and developed map generation and design algorithm, where every map generated is randomized
- Handled basic Issues, Pull Requests and Tagging using GitHub

Link for Game

NUS EG1311 Design and Make   **Singapore**
Modelling and Design   Aug 2023 – Nov 2023
- Designed the body of the robot as well as circuitry that enables the movement of the robot
- Used Autodesk Fusion360 to model the body and dimensions of the robot (Link for diagram)
- Used TinkerCAD to design the circuitry of the robot (Link for report)

NUS HELIX HOUSE   **Singapore**
Member   Aug 2023 – Present
- As part of NUS Helix House's student body, participated in many different self-initiated projects (elaborated in the points below)
- Open House Video Sub Committee: Involved in shooting, editing and music of open house videos (Video1, Video2)
- Helix Band Vice President: Involved in numerous planning, sound directing and performances

SAF 5 Singapore Infantry Regiment   **Singapore**
Ops Specialist   Aug 2021 – Nov 2022
- Worked both admin and planning roles in the Battalion Head Quarters as a 2nd Sergeant
- Admin: Indentation of ammunition as well as training area to support battalion's training schedule
- Planning: Assisted in planning of missions
- Attained "Commander of the Month Award"

ADDITIONAL

Languages: Korean (native), English (fluent), Chinese (Intermediate, O Level Higher Chinese B3), Japanese (Intermediate, JLPT N1)
Skills: MS Office, FL Studio (Digital Audio Workstation), Adobe Premiere Pro
Interests: Music Performance / Production, Computer Graphics, Video Games, Running / Jogging
LinkedIn Link