

LIM JING HAO

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Availability Period: May 2024 – Aug 2024

EDUCATION

National University of Singapore Bachelor of Engineering (Computer Engineering)	Aug 2022 - Present
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- Bachelor of Engineering in Computer Engineering (Honours)
- Expected Date of Graduation: July 2026

Jurong Pioneer Junior College GCE 'A' Levels	Jan 2018 - Nov 2019
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- Achieved 'Distinction' grade in H2 Physics, H2 Chemistry and H2 Mathematics
- Achieved 'Merit' grade in H1 Economics

SKILLS

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- Programming Languages: C, C++, Java, JavaScript, Python, CSS
 - Tools: React Native, IntelliJ, Visual Studio, Firebase, Android Studio, Robot Operating System, FPGA, Raspberry Pi, Arduino, Keil RTX, ARM
 - Product Management: GitHub
 - Languages: English [Native], Mandarin [Professional Working]

PROJECTS

NUS Orbital: NUSMentor	May 2023 - Aug 2023
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- NUSMentor purpose is to develop a platform for students at NUS to book a consultation slot with respective tutors. It includes an authentication page, a search algorithm to search for any information available and a real-time booking system.
- Built an Android-based mobile application with React Native and Android Studio for front-end development.
- Utilised Firebase for User Authentication and Firestore database for data storage for backend development.
- Utilised git for version control and updates with GitHub.

ALEX The Search and Rescue Robot	Jan 2023 - Apr 2023
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- Designed a robot comprising of Robot Operating System, Raspberry PI 4 and Arduino Uno, while utilising LiDAR to map local environment.
- Strategically imported nCurses library in C++ to create a user-friendly GUI terminal, aiding users by improving readability with information received. Continuous input was used in CLI, with bare metal programming on Arduino.

EXPERIENCE

Tele-Centre Services Pte Ltd, Customer Care Officer	Feb 2022 - Jul 2022
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- Ensured customer's enquiries are being answered, trained to be compassionate and understanding towards customers, while ensuring clients are satisfied.

Republic of Singapore Navy (National Service), Planning Branch (3rd Sergeant) Jan 2020 - Nov 2021

- Led a team of 5 planners to devise strategies to conduct operations with other countries' navy forces for a joint exercise, while liaising with 1 senior officer.
- Collaborated with supply branch to ensure inventory for operations were all accounted for to maintain smooth operation.
- Conducted daily attendance taking to make sure all personnel were accounted for before reporting to relevant officer daily.
- Developed measures in camp to fulfil covid-19 measures imposed by Singapore government and made sure rules were strictly imposed in camp and offices.

EXTRA CURRICULAR ACTIVITIES

Member, NUS CatalystxAI

Oct 2023

- Collaborated with 4 other members to brainstorm an idea within 2 days, and to pitch to a panel of judges.

Member, Engineering Innovation Challenge

Jun 2019

- Invented a device able to negate harmful radiation caused by electromagnetic waves affecting humans, went through several pitching to convince and explain device functionality to judges, attained 4th place out of 10 teams from JC.
- Led members to perform under time pressure due to short competition time, with only 2 months to brainstorm and create a prototype working 100% as intended.