

MAEKO LOO

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EDUCATION AND CERTIFICATION

Nanyang Technological University, Singapore

Aug 2023 – Jun 2027 (Expected)

Bachelor of Computing (Honours), Computer Science

- Relevant Coursework – DSA, DSAI, Object Oriented Programming, Introduction to Database, Artificial Intelligence
- Online Modules – Introduction to Computer Science (Harvard CS50)
- Digital Skills Workshop - Data Visualization with Power BI (NTU CAO)

Singapore Polytechnic

Apr 2019 – May 2023

Diploma in Aerospace Electronics

- Relevant Coursework – Statistic and Analytics for Engineers, CADD

SKILLS

Hard Skills: Python, Java, C/C++, SQL | AutoCAD | Microsoft Office | **Soft Skills:** Administrative | Planning | Leadership

WORK | INTERNSHIP EXPERIENCE

Monetary Authority of Singapore | Product Incubation Software Engineer Intern

Jun 2025 - Dec 2025

- Collected, cleaned, and analyzed fintech ecosystem data to generate actionable insights and industry trend reports
- Developed dynamic data visualizations and stakeholder presentations to support decision-making. Streamlined workflows by automating processes through custom scripting, improving team efficiency

Rolls Royce @ NTU | Electronics Lab Intern

Mar 2022 - Aug 2022

- Collaborated on a project to reduce carbon emissions in aviation, focusing on innovative solutions

Alchemist, Fiordilatte | Part Time Barista

May 2023 – Jun 2024

- Gained valuable soft skills such as communication, problem-solving, multi-tasking, speed and accuracy and team coordination

PROJECTS | HACKATHON

Pay-per Plan Bot | Self-project

May 2025

- Created a Telegram chatbot using Google Apps Script to streamline tutor payment tracking, reducing manual effort and enhancing record accuracy.

SBCC X GIA Challenge | Participant

Feb 2025

- Conducted in-depth research into industry trends, regulatory factors, and emerging technologies to inform our solution.
- Demonstrated strong communication and teamwork abilities, presenting findings and solutions to judges and stakeholders

Hospital Management System | Member

Sept 2024 – Dec 2024

- Developed and managed a hospital system's small database as part of an object-oriented programming module, utilizing a command-line interface (CLI) for operations

Cancer Prediction Model | Member

Feb 2024 – Apr 2024

- Developed a cancer cell classifier using decision trees and random forests with cross-validation. Gained insights into model evaluation and machine learning for medical data. Attained an A- (4.5/5.0)

Foody-pendent: A Pet Food Dispenser Project | Member

May 2021 – Aug 2021

- Designed and developed a prototype pet food dispenser as part of a school project, showcasing my skills in software engineering and practical problem-solving. Attained an A (4.0/4.0)

CO-CURRICULAR ACTIVITIES / LEADERSHIP EXPERIENCES

Tuition Teacher / Peer Tutor

Mar 2024 - Present

- Tutored 7 students, leading to significant grade improvements by an average of 35%
- Provided academic support to peers experiencing difficulties, guiding them to attain their academic goals

SP Muay Thai | Vice-President, Secretary, and Treasurer

Apr 2020 – Aug 2022

- Oversaw a team of 10 EXCO members to plan and execute key CCA events, including an open house, bonding activities, and a club fight, while making strategic decisions and organizing team-building exercises. Improved club operations and ensured timely execution of the club initiatives