

## EDUCATION

<b>Nanyang Technological University, Singapore</b> <b>Bachelor of Science in Mathematics and Computer Science</b> , CGPA: 4.43/5.00 <ul style="list-style-type: none"><li>Honours (Distinction)</li></ul>	Aug 2022 - May 2026
<b>University of Groningen, Netherlands</b> <b>Overseas Exchange Programme</b> <ul style="list-style-type: none"><li>Enrolled in Statistics, Neural Networks, Web Engineering, Information Security</li></ul>	Sep 2024 - Jan 2025

## WORK EXPERIENCE

<b>Seagate Technology</b> <b>Data Science Intern</b> <ul style="list-style-type: none"><li>Refactored legacy code and introduced new coding standards (Prettier), improving maintainability and bug reduction.</li><li>Developed and implemented Extract, Transform, and Load (ETL) pipelines to automate data processing and labelling, accelerating analytics insights generation by 80%.</li><li>Spearheaded integration of multiple applications into a unified user interface, reducing operational time by 50% and enhancing workflow efficiency.</li></ul>	Feb 2025 - Present
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## PROJECTS

<b>Personal Portfolio Website</b> <b>Self Developed</b> <ul style="list-style-type: none"><li>Hosted GitHub Pages with version control Git showcasing past projects. <a href="https://roylimxinwei.github.io/">https://roylimxinwei.github.io/</a></li><li>Designed and deployed a responsive, SEO-optimized portfolio website using HTML, CSS, and JavaScript.</li></ul>	Jul 2024 - Present
<b>Weather Forecast Web Application</b> <b>Group Member</b> <ul style="list-style-type: none"><li>Designed a Level 3 (HATEOAS) RESTful API for CRUD operations achieving 90% coverage with Postman and unit tests.</li><li>Applied Model View Controller (MVC) design pattern to organize and maintain scalable, maintainable code.</li><li>Reduced deployment time by 40% by using Docker containers for environment consistency on virtual machine.</li></ul>	Sep 2024 - Jan 2025
<b>Jiak! Mobile Application</b> <b>Team Leader</b> <ul style="list-style-type: none"><li>Led an agile team through full software development lifecycle, overseeing sprint planning, weekly stand-ups, and retrospectives to ensure on-time feature delivery.</li><li>Developed a cross platform mobile application capable of recommending food to users within 100 meters through implementation with Google Maps geo-location API.</li><li>Utilised React Native as frontend to build a cross-platform mobile solution for both iOS and Android, enhancing consistency and reducing code duplication by 40%.</li><li>Implemented Expo for streamlined development and automated deployment pipelines, cutting build times by 25% and improving application performance on diverse devices.</li></ul>	Jan 2024 - May 2024

## RELEVANT COURSEWORK

<ul style="list-style-type: none"><li>Object-Oriented Programming - Utilised key OOP concepts such as encapsulation, inheritance, and polymorphism to model complex real-world entities and relationships within application.</li><li>Data Analysis with Computer - Conducted statistical analysis on a dataset from Kaggle with R programming language identifying key factors influencing employee salary</li><li>Introduction to Databases - Created SQL queries and tables for analysis of a database with given data.</li></ul>
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## CERTIFICATES

<ul style="list-style-type: none"><li>Google Advanced Data Analytics (Coursera) - Ongoing</li><li>Google AI Essentials (Coursera)</li><li>Google UX Design (Coursera)</li><li>Google Data Analytics (Coursera)</li></ul>
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## CO-CURRICULAR ACTIVITIES

<b>Anytime Fitness</b> <b>Brand Ambassador</b> <ul style="list-style-type: none"><li>Foster community engagement and promoting brand awareness both on and off-campus leading to new monthly sign ups.</li></ul>	May 2023 - Aug 2024
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