

# LIM EXCELYYNX

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[LinkedIn profile](#) | [GitHub](#) | [My Portfolio Web](#)

## BACKGROUND

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- Motivated Year 2 Software Engineering undergraduate with a foundation in programming, problem-solving, and software development using Java, Python, HTML, CSS, and JavaScript.
- Experienced in applying structured logic, debugging techniques, and testing principles through academic projects and personal initiatives.
- Quick learner with a keen eye for detail and a passion for delivering clean, efficient, and maintainable code.

## COCURRICULAR EXPERIENCE

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### Engineers Australia Monash Malaysia Student Society

#### Vice Publicity Officer

Dec 2024 - Present

- ❖ Manage EAMMSS social media page
- ❖ Create visual post to promote events using Canva and
- ❖ Photo editing tools.
- ❖ Create captivating captions for event promotions.
- ❖ Create post-events reel and videos.

### 2025 MAS Weightlifting League Amateur Weightlifting Meet

#### Volunteer

Apr 2025

- ❖ Guided participants and spectators to designated areas, ensuring smooth event flow.
- ❖ Loaded weightlifting plates according to competition requirements, following safety protocols.
- ❖ Recorded and tracked participants' lifts with accuracy for official scoring.

## EDUCATION

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### BACHELOR OF SOFTWARE ENGINEERING

#### MONASH UNIVERSITY

2024 — 2027

Current CGPA: 4.00

Relevant coursework: Object Oriented Design and Implementation (Java), Software Engineering Process and Management, Software Quality and Testing, Fundamentals of Algorithm and Data Structures, Engineering Smart System (Electrical and Computer System), Engineering Numerical Analysis, Introduction to Programming (python), Programming Fundamentals in Java

### MONASH UNIVERSITY FOUNDATION YEAR

#### SUNWAY COLLEGE

2023 — 2024

MUFY Score: 97.63

**SMK TINGGI ST DAVID, MELAKA**

**2018 — 2022**

- ❖ SPM 2022 - Straight A+ Achiever (9A+)
- ❖ JPA LSPM Scholar
- ❖ 2022 National Debating Competition 5th Placing

## **PROJECTS**

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### **CONSOLE BASED EXPLORER ROGUE BASED GAME (JAVA)**

- Applied Java's object oriented principles (SOLID, enums, interface, polymorphism, inheritance) using the provided game engine to create an Explorer vogue-based games.
- The game includes features like teleportation, game actor interactions, and win-lose simulation.
- [Rogue-based Game gitlab](#)

### **Personal Portfolio (Tailwind CSS, React, Lucide-React, Emailjs)**

- Clean, responsive design optimized for all devices including functional contact form powered, minimal yet aesthetic UI styled with Tailwind CSS, with dark/light mode toggle.
- [Personal Portfolio github](#)
- [Personal Portfolio hosted link](#)

### **TicTacToe Game (HTML, CSS, JS)**

- Applied HTML, CSS and JavaScript to develop a classic tic tac toe game where players can play with computers.
- [TicTacToe github](#)
- [TicTacToe hosted link](#)

### **POMODORO TIMER (HTML, CSS, JS)**

- Applied HTML, CSS and JavaScript to develop a Pomodoro timer that can run for 25:00 working time, 5:00 quick rest time and 10:00 long rest.
- Used styling to make the pomodoro appear appealing.
- [Pomodoro github](#)
- [Pomodoro hosted link](#)

### **TO-DO LIST (HTML, CSS, JS)**

- Applied HTML, CSS and JavaScript to develop a simple to-do list where user can delete, update tasks on the web.
- [ToDoList github](#)
- [To-do List hosted link](#)

### **Weather App using the OpenWeatherAPI (HTML, CSS, JS, OpenWeatherAPI)**

- Applied HTML, CSS and JavaScript to develop a weather web that allows users to search a city and obtain a weather forecast.
- [WeatherApp github](#)
- [WeatherApp hosted link](#)

### **Text to Speech Converter (HTML, CSS, JS, Browser SpeechSynthesis API)**

- Applied HTML, CSS and JavaScript to develop a text to speech converter where user can input their text, select a voice and hear an audible speech.
- [TextToSpeechConverter github](#)
- [TextToSpeechConverter hosted link](#)

## **WEIGHLIFTING MANAGEMENT SYSTEM (Python, HTML, CSS, JS, Hypothesis, Selenium and unittest)**

- Develop a WLMS that registers athletes, validates for registration of athletes, and determines barbell setup for a liftoff.
- The main goal of this project is to practice conducting unit tests using Python's unittest, mocking, Selenium and Hypothesis.
- Identified and prioritised quality attributes for the WLMS, designed test cases using black and white box tests, different testing techniques and selected appropriate quality assurance strategies.
- Implement software tests following a documented plan, modern programming technique and best practices.
- [WLMS github](#)

## **REGISTRATION, LOGIN AND LOGOUT PAGE (HTML, CSS, JS, PHP, MySQL)**

- Developed a secured log in, log out and registration page for user and admin.
- Created database that stored created account for account validation during log in.
- Included security procedure of only letting users access the web if the user had login prior to the session.

## **CONSOLE BASED TAKEAWAY MANAGEMENT SYSTEM (JAVA)**

- Applied Java's object oriented principles (SOLID, enums, interface, polymorphism, inheritance) to create a fast food takeaway management system.
- Projects keep track of customers order, delivery time and status, generating sales and customers' order reports

## **TRAFFIC CONTROL SYSTEM PROJECT**

- Used python's Pymata4 package and electronic kits (Arduino, 556 timer, MOSFET, active and passive buzzers, LEDs, shift register) to conduct a 5-in-1 (5 subsystem in 1 Arduino board and 1 codebase) integrated traffic light system.
- Integration of software (python's Pymata4 and logic implementation), electronic hardware and circuit analysis knowledge.
- This project delivered a traffic control system that controls vehicles, pedestrian traffic, intersections and crossings to help manage traffic flow.
- [IntegratedTrafficLight source code github](#)

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## **SKILL**

### **SOFTWARE:**

Python (NumPy, matplotlib, mock, unittest, Pymata4, Selenium, Hypothesis), Postman, Java, CSS, HTML, JavaScript (Responsive Web Design)

### **DESIGNING:**

Canva, Figma, SolidWork, AutoCAD, ArcGIS

## LANGUAGE

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**LANGUAGE:** English (Proficient), Malay (Proficient), Chinese (Native)