

# Lee Jin Ming

Software Engineer

Email: leejinming2005@gmail.com | Phone: (+60) 12-483-6660 | LinkedIn: <https://www.linkedin.com/in/lee-jin-ming/>

Address: 92A, Jalan BP11, Taman Bukit Permata, 68100 Batu Caves, Selangor

## Skills

---

### Programming Languages

Python

C++

Java

JavaScript

HTML & CSS

SQL

MySQL

PHP

Pug

### Frameworks & Tools

OpenCV

Umbraco

Laravel

TCP/IP

Git

Node.js

Laravel

GraphQL

Express.js

Postman

phpMyadmin

### Development Tools

Android Studio

Visual Studio

Visual Studio Code

Processing

Cura

SketchUp

Unity

R Studio

PyCharm

Figma

Apache Netbeans

XAMPP

WAMP

### Hardware & Embedded Systems

LoRa

Arduino

Raspberry Pi

ESP8266

### Productivity & Office Tools

Microsoft Office

Google Workspace

Slack

Zoom

ClickUp

Lark

### Operating Systems

Windows

Linux

MacOS

## Work Experience

---

### PHP Developer - Webby Sdn. Bhd.

Internship | Jan 2025 - May 2025

### Full-Stack Developer - One Two One Advisor Sdn. Bhd.

Internship | Oct 2023 - Dec 2023

- Collaborated with senior developers to migrate 121POSit (Point of Sales Insurance Takaful) to the Umbraco framework.
- Debugged miscellaneous code to improve system stability.
- Designed and implemented frontend dashboard for better user experience.

## Education

---

- **Bachelor of Science (Hons) in Software Engineering** - Asia Pacific University (2024-2026)  
CGPA: 3.41
- **Diploma in Information & Communication Technology (Software Engineering)** - Asia Pacific University (2021-2023)  
CPGA: 3.31
- **IGCSE** - Home School (2012-2021)  
2A\* 1A 3B 3C

## Projects

---

### Sentiment Analysis System

2024

Developed a multi-level linked list structure for analyzing hotel reviews from TripAdvisor, tallying feedback comments and performing sentiment analysis based on ratings. Degree Semester 2 Data Structures group project

C++

Visual Studio

### LoopWithPython

2024

Developed a Python-based game where players solve coding problems at varying difficulty levels to advance through a game board. Degree Semester 2 Further Web Design and Development individual project

Node.js

JavaScript

CSS

Pug

Visual Studio Code

MySQL Workbench

## Academic Guidance Hub

2024

Developed a Academic management application which features 3 user roles including Admin, Teacher and Student where users can manage file uploads, Grading coursework or user management. Degree Semester 1 Object Oriented Programming group project

Java

Apache Netbeans

## APFood

2023

Developed a website to allow students to order food from vendors through the platform. Diploma semester 5 final year group project

PHP

HTML

CSS

MySQL

phpMyadmin

Visual Studio Code

WAMP

## MelaniBot AI Chatbot

2023

Designed a Chatbot which specialises in discussions about Melanau Culture, Won the Avant Garde Videre Competition. Diploma semester 5 Introduction to Artificial intelligence Group project

Botpress

Figma

## Vending Machine

2023

Developed a Vending Machine which features a admin and public view to manage and sell items from the UI. Diploma semester 5 Java Programming individual project

Java

Apache Netbeans

## Farmtastic

2023

Developed a website that connects and aid farmers in improving their agricultural practices, including forums, online bookings for consultations with our agriculturists, and farmers' guides. Diploma semester 4 Web Development group project

HTML

CSS

JavaScript

MySQL

phpMyadmin

Visual Studio Code

WAMP

## Vaccination record management system

2022

Developed a commandline interface to store and manage vaccination records and patient records. Diploma semester 3 Programming with Python group project

Python

Visual Studio Code

## Doctario

2020

Designed a App which bridges the gap between patients and doctors, allowing patients to book appointments, view their medical history, and receive reminders for their appointments. Finished finals and Won the MDEC Project Grant Digital Ninja Teen Tech Prize

Figma

## FrutioBox

2020

Developed a system concept that helps control the ripening of fruits by managing temperature, UV lighting, and ethylene levels. Finished finals of the Digital Ninja Accelerator Labs 2020.

Arduino

SketchUp

Thinkercad

Cura

Figma

## Fit-X

2019

Developed Fit-X, a commissioned project that is a personal training device aimed at innovating gyms with ultrasonic and accelerometer sensors to detect user repetitions, Presented at the PwC Townhall 2019.

Arduino

Flutter

Cura

Thinkercad

SketchUp

Ultrasonic Sensors

C++

## AR manuals

2019

Developed AR manuals, an augmented reality app that displays 3D arduino circuits and components for users to visualize and interact with.

Vuforia

Unity

SketchUp

## PeaSchool

2019

Developed PeaSchool, an app for gardeners and urban residents promoting organic food. Features include plant monitoring, tutorials, and a trading system. Finished finals of Digital Ninja Accelerator Labs 2019.

Arduino

Android Studios

LoRa

Java

C++

## Facial Recognition Door

2018

Created a machine learning-based facial recognition system using OpenCV and Raspberry Pi to unlock a magnet-powered lock and record attendance. Presented at KLESF 2018.

OpenCV

Raspberry Pi

Python

C

## Turtle Detection Radar

2017

Developed a radar using ultrasonic and temperature sensors on a servo motor to detect turtles coming ashore to lay eggs. Won a Silver medal at KLESF 2017.

Ultrasonic Sensors

Temperature Sensors

Servo Motor

Arduino

Processing

C++

## I-CUBE

2016

Designed an incubator for chicken eggs focusing on reusing materials to provide a cost-effective option for users. Presented at KLESF 2016.

Arduino

Temperature Sensors

Servo Motor

Relay

Recycled Materials

## The Pet Toilet

2015

Developed an innovative pet toilet using pressure plates, recycled materials, and a motor for flushing. Won a Bronze in the open category at Young Innovate 2015.

Arduino

Pressure Plates

Servo Motor

Recycled Materials

C++

## Certifications

---

### Google Play Academy - Store Listing Certificate

Issued by: Google

Date: February 2025

Credential ID: 132342324

Verification Link: <https://www.credential.net/8cfc014a-f4c8-4b4d-b76f-2479aeb77f6c#acc.PH4pqkoh>

---

### OpenCV Bootcamp

Issued by: OpenCV

Date: February 2025

Credential ID: e7260943391842598a010e070cc23f52

Verification Link: <https://courses.opencv.org/certificates/e7260943391842598a010e070cc23f52>

---

## ClickUp Expert Certificate of Completion

**Issued by:** ClickUp

**Date:** February 2025

**Credential ID:** ni3m5itx28vj

**Verification Link:** <https://verify.skilljar.com/c/ni3m5itx28vj>

---

## References

---

