

# POON YEONG SHIAN

Selangor, Malaysia | Mobile: +6014 351 4319

Github: <https://github.com/poonYeongShian> | Email: [poonyeongshian2250@gmail.com](mailto:poonyeongshian2250@gmail.com)

LinkedIn: <https://www.linkedin.com/in/poonys/>



Position Applied For: Software Developer/Engineer

## EDUCATION

**Bachelor of Engineering (Software Engineering), Monash University Malaysia**

**Feb 2020 – Nov 2023**

· GPA: 3.0, WAM: 76

**A-level, Institut Sinaran Malaysia Sabah, Malaysia**

**Feb 2018 – May 2019**

## EXPERIENCE

**Software Engineer Intern, NextLabs**

**Nov 2022 - Feb 2023**

- **Tech Stack:** Selenium, Bash
- Design and write test automation cases for the SAP system. Troubleshoot and resolve failed automated test cases in the SAP system.
- Work with software developers to find solutions for technical issues.

**Computer Technician, PC City**

**May 2019 – Dec 2019**

- Install, maintain, and troubleshoot hardware and software for businesses and organisations

## PROJECTS

**Assessing AI Detectors in Identifying AI-Generated Code, ICSE SEET 2024, Mar 2023**

Python | [\[Paper\]](#)

- Developed an automated data mining pipeline that streamlines the workflow by seamlessly integrating results from ChatGPT into an AI detector. This significantly reduced the manual workload for the entire team, fostering increased efficiency and accuracy in data processing.
- Demonstrated that the current AI detector exhibits vulnerabilities to AI-generated code. Identified and documented the limitations of the existing AI code detector through meticulous observation and analysis, providing valuable insights for future researchers in the field.

**CNN Object Detection, Deep Learning Kaggle Competition, Aug 2023**

TensorFlow, Numpy | [\[Code\]](#)

- Designed and implemented a high-accuracy Convolutional Neural Network (CNN), optimizing its performance through various techniques.
- Enhanced the performance of a Convolutional Neural Network (CNN) by training it on a dataset comprising 10,000 instances across 20 classes. Successfully elevated the CNN accuracy from a baseline of 36% to an impressive 77%.

**Report Care, School Project, Mar 2023**

Flutter, Firebase | [\[Code\]](#)

- Optimized project resource allocation on the cloud, leading to a reduction in monthly costs from RM100+ to zero.
- Improved the foundational aspects of the code backbone.
- Implemented email and phone SMS authentication to enhance the security measures of the system.

**Mental Health App, School Project, Aug 2022**

UI/UX, Figma

- Effectively collected responses from 300 individuals through a questionnaire and utilized their feedback to create detailed personas.
- Identified and documented user needs by synthesizing the gathered information, contributing to a user-centric approach in project prototype development.

**Student Internship Management Program, School Project, Mar 2022**

Vue JS | [\[Code\]](#)

- Worked as a system architect in a large team using the SAFe framework to deliver an internship management system to the internship coordinator of Monash University.
- Led the Solution Architect team in the successful implementation of a microservices architecture, significantly enhancing the flexibility and agility of the project.
- Managed the preparation and execution of User Acceptance Testing, contributing to the validation of the final software system.

**Covid-19 Test Booking System, FIT3077 School Project, Mar 2022**

Java, Spring Boot, HTML, CSS, JS | [\[Code\]](#)

- Create a web-based application for performing COVID-19 test booking and CRUD operations on the backend data for demonstrating the application of design patterns and principles

## SKILLS

**Interests** : Full Stack Web Development, Mobile App Development, Machine Learning and AI, Cloud Computing

**Technology** : Web Development - Frontend: HTML, CSS, JavaScript, Vue, React, Next js | Backend: NodeJS, Spring Boot, #C, .Net  
Mobile App Development - Android Java, Flutter (Dart)  
Database, Data Visual & Analysis - SQL (Oracle), NoSQL (Firebase, MongoDB), Tableau  
Machine Learning - NumPy, TensorFlow, Python, Apache Kafka, Apache Spark  
Cloud - AWS, Google Cloud | Prototyping/UI UX - Figma

**Languages** : Mandarin (fluent), English (Intermediate), Malay (Intermediate)

**Certification** : AWS Certified Solution Architect Associate [\[AWS SAA\]](#), AWS Certified Cloud Practitioner [\[AWS CCP\]](#)