

EDUCATION

Monash University Malaysia <i>Bachelor of Computer Science</i> Major in Advanced Computer Science	Selangor, Malaysia Oct 2019 - July 2023 WAM: 80.41/100, CGPA: 3.85 / 4.00
University of Liverpool <i>Student Exchange Program</i>	Liverpool, United Kingdom Sep 2022 - Feb 2023
Pay Fong High School <i>Unified Examination Certificate (UEC)</i> Chinese Independent High School	Melaka, Malaysia Jan 2013 - Dec 2018 UEC: 4A 4B

EXPERIENCE

Soft Skills Sdn Bhd <i>Software Developer Intern</i>	Selangor, Malaysia Nov 2021 - Feb 2022
<ul style="list-style-type: none">Developed 7 different screens/pages for one of the client's account management web application using Vue.jsDeveloped a reusable file upload service using Java Spring BootEnhanced one of the client's existing service by adding a new API endpoint using Java Spring Boot, PostmanRevised one of the existing service from JPA specification to QueryDSL method to remove and avoid boilerplate code	

ACADEMIC PROJECTS

Profiling Malaysian's Politician's Political Influence Based on the Sentiment of the Public

- Researched and developed a sentiment analysis software that computes the influence of the politician based on the sentiment of the comments, number of likes, and Facebook emoticons of the politician's Facebook profile
- Adapted a Natural Language Model (NLP) called RoBERTa to compute the sentiment of each comments
- Built a web application that uses React for the front-end and Django for the backend server to display the results

Real Time Fire and Climate Data Streaming Simulation

- Built a referencing data model in MongoDB to store fire and climate data
- Designed and implemented multiple Apache Kafka producers to simulate real time data streaming
- Developed a streaming application using Apache Spark to process the large amount of data

Tsunami Detection in a Distributed Wireless Sensor Network (WSN)

- Designed and implemented a distributed computing system based on simulating a wireless sensor network detecting abnormal ocean wave heights which would indicate tsunami using C programming language
- Applied Message Passing Interface (MPI) and POSIX/OpenMP parallel algorithm
- Analysed and evaluated the performance of the parallel algorithm in the distributed computing system

Dinosaur Park

- Designed and implemented a console-based dinosaur park game that adapted Object-Oriented Programming techniques using Java
- Drew UML diagram and sequence diagram in the preliminary design stage.

PROJECTS

Client Information Web Scraper

- Designed and developed a web scraper to automate the process of extracting customer's information from a website using Python and Selenium

TECHNICAL SKILLS

- | | | | |
|----------|-------------------|-------------------------|-----------|
| • Python | • Java | • JavaScript/Typescript | • React |
| • SQL | • Git | • HTML | • OOP |
| • RDMS | • Web Development | • Data Visualization | • MongoDB |

ACTIVITIES AND LEADERSHIP

Hello Coder's Program

Kuala Lumpur, Malaysia

Mentor

Jul 2021 – Sep 2021

- Provided guidance and advice to a team of 5 first year computer science students
- Coordinated a weekly catch up meeting with the students to hear them out

Pay Fong High School Anniversary Celebration

Melaka, Malaysia

General Affair Officer

Jun 2018

- Prepared the necessary tools and materials for the event
- Maintained and organized the tools and materials to avoid unnecessary cost
- Tracked the spending of the materials against the class budget to ensure that the cost of the event was under budget

Pay Fong High School Basketball Team

Melaka, Malaysia

Treasurer

Jan 2017 - Dec 2017

- Managed the finances of the team throughout the year
- Prepared and presented half-yearly financial statement to the committee and coach
- Worked closely with the committee and coach to ensure there's sufficient funds for trainings and tournaments

ADDITIONAL INFORMATION

Languages: English, Mandarin, Malay

Awards: Monash Quick Hack 2021 2nd Runner Up (2021)

Voluntary Experience: Love Melaka Project - Local Church Voluntary Work (Jul 2021 – Dec 2021)