

CHAI WAI JIN

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A final year computer science student with a strong academic background and passion for technology. Always actively seeking opportunities to improve myself and develop my technical proficiency in a dynamic and collaborative environment, so that I can actively contribute back to society one day. Seeking for internship placement in Software Engineering, available for internship from 18th November 2024 onwards.

EDUCATION

Monash University

Feb 2022 - Dec 2024 (Expected completion)

Bachelor of Computer Science

- **CGPA: 4.00/4.00, Weighted Average Mark: 91.958**
- Courses: Advanced Data Structures & Algorithms, Software Engineering Architecture & Design, Java OOP, Data Science, Databases, Mobile Application Development, Parallel Computing, Theory of Computation, Big Data Processing & Management

EXPERIENCE

PETRONAS Digital Sdn. Bhd.

Kuala Lumpur, Malaysia

Data Science Intern

Nov 2023 - Feb 2024

- Liaised with **Boston Consulting Group** to develop enterprise **machine learning** training content to train staff from non-IT departments regarding machine learning use cases in oil & gas using **Microsoft Azure ML Studio**, resulting in 80% satisfaction from participants.
- Collaborated with my team on a project (**RM2.2 mil** identified value) to develop machine learning models to predict pipe leakage and corrosion.

Monash University Malaysia

Sunway, Malaysia

FIT1008 Class Assistant - Fundamentals of Algorithms

Feb 2024 - Present

- Assisted lecturer in answering students' questions, enabling the lecturer to complete lessons on time.
- Provided weekly consultation sessions to reinforce students' understanding of weekly topics on data structures and algorithms, as well as providing feedback for their work.

TECHNICAL PROJECT

Frontend Web Development

HTML, CSS, React.js

- Worked alongside a team of six individuals tasked with **constructing a website** for an upcoming tourist destination in Malaysia utilising **React.js**.

Certificate Generator

Python, OpenCV

- Built a program to automate certificate generation for students participating in various activities held by Monash University Student Association School of IT.

ACADEMIC PROJECT EXPERIENCE

Development of Console-Based Pokémon Game

Python, Unittest

Grade: 87.37/100

- **Led a group of 3 students** to build a console-based Pokémon battle simulation similar to the actual Pokémon Games.
- Utilised **data structures & algorithms**, and **OOP** concepts to simulate Pokémon teams and battles, along with writing test cases to evaluate the robustness of the program.

Development of Console-Based Elden Ring

Java, OOP | [[code](#)]

Grade: 53.15/55

- **Led a group of 3 students** to design and build a console-based Elden Ring game using **OOP** concepts and **SOLID** principles to ensure the codebase is **maintainable** and **extensible**.

TECHNICAL SKILLS

- **Front-end:** HTML, CSS, React.js
- **Basic Programming:** Python, Java, C, JavaScript, Typescript, SQL
- **Data Analysis:** R, NumPy, Pandas
- **Big Data Processing:** Apache Kafka, Apache Spark

EXTRA-CURRICULAR ACTIVITY

Secretary - Monash University Malaysia School of IT

Jan 2023 - Dec 2023

- In charge of organising events with other subcommittees for students of School of IT throughout the academic year.
- Prepared budget and event proposals as well as reports for events organised.

Mentor - Monash University Malaysia School of IT

Jul 2022 - Aug 2022

- Provided guidance for 14 freshmen for the first 5 weeks of university and managed to help them integrate into university life.

Fundraising Chairperson - Leo Club

Jun 2017 - May 2018

- Successfully led a team to organise a social event that strengthened the relationship between different Leo clubs and raised RM8000 for iq70plus (welfare of mentally challenged children).

AWARDS HIGHLIGHTS

• Monash High Achiever Award	<i>Present</i>
• Monash Dean’s Achievement Award - Achieved a 90% average or higher across all units studied in a specific year	<i>2023</i>
• Top 25 - Monash Coding League	<i>2023</i>
• Top 4 - Nott-A-Thon: Lovelace Competitive Programming Competition	<i>2022</i>
• Top Club Director Award - Excellent in Leadership as Alpha Leo Club Director	<i>2018</i>

CERTIFICATION

• Introduction to Git and GitHub (Google)	[link]
• Machine Learning (Andrew Ng, Stanford University)	[link]

SPOKEN LANGUAGES

English, Chinese (Mandarin), Bahasa Melayu (Malay) - able to speak & write formally and informally