

# Yeo Yi Xin

## Searching for Computer Science Internship (June to September 2024)

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### Education

#### UNIVERSITY OF NOTTINGHAM MALAYSIA

Bachelor of Science with Honours of Computer Science, First Class Honours

September, 2022 – June, 2025

Relevant Modules: Programming Paradigms, Databases and Interfaces, Fundamentals of Artificial Intelligence

Relevant Coursework:

*Team Leader and Software Developer, Car Rental Website*

- Directed a team of 4 in the comprehensive development of a real-time car rental website.
- Spearheaded the formulation and refinement of the website's frontend, backend, and database architecture.
- Achieved deep understanding of key technologies, including:
  - Frontend: Proficient in HTML, CSS, and JavaScript for creating intuitive user interface.
  - Backend: Developed robust backend functionality using PHP.
  - Database: Designed, implemented, and managed the database using SQL and PHPMyAdmin.
- Attained first-class honours grade for the coursework.

#### UNIVERSITY OF NOTTINGHAM MALAYSIA

Foundation in Science, First Class Honours

September, 2021 – July, 2022

Relevant Modules: Fundamentals of Programming, Internet Programming

Relevant Coursework:

*Software Developer, Morse Code Program Projects*

- Designed and led the development of two interactive Morse code programs using C and MATLAB.
- Implemented user-friendly features, including audio playback of Morse code signals in MATLAB.
- Ensured robust error-handling by incorporating input validation and informative warning or error messages.
- Developed bidirectional functionality, enabling conversion of text to Morse code and Morse code to text.
- Achieved first-class honours for both projects, demonstrating strong technical, creativity and problem-solving skills.

#### SEKOLAH MENENGAH KEBANGSAAN INFANT JESUS CONVENT

9A+ in Sijil Pelajaran Malaysia (SPM)

January, 2016 – March, 2021

### Experience

#### UNIVERSITY OF NOTTINGHAM MALAYSIA

Remote

**Student Intern | Full Stack Developer | Project Lead**

June, 2023 – September, 2023

- Led a collaborative effort with a team of 2 to create a unique website featuring Cartoon, Watercolour and Impressionism filters.
- Acquired expertise in image processing techniques including K-means clustering, and Canny edge detector.
- Successfully implemented Cartoon and Watercolour filters and incorporated watermarks into the filtered image using Python libraries such as OpenCV, Pillow, ImageDraw and NumPy.
- Designed the website's interface and developed both frontend and backend components using HTML, CSS, JavaScript, Fetch API, and Flask to enable users to apply the filters.
- Optimised image loading time by an impressive 66.67% through the elimination of unnecessary operations and integration of asynchronous HTTP request using the Fetch API.

#### CHUA SOON HUP

On site

**Sales Assistant**

April, 2021 – September, 2021

- Proactively engaged with a diverse customer base, utilising English, Malay, Chinese or Hokkien to assist customers and promptly address inquiries related to products and purchases.
- Offered personalised recommendations based on customer preferences and needs, contributing to enhanced customer satisfaction and sales growth.

### Skills

**Software Skills:** PHPMyAdmin, Visual Studio Code, Firebase, Figma GitHub Desktop, Fetch API, Lean3

**Programming Language:** HTML, CSS, JavaScript, SQL, Python, C, Java, PHP, Flask, Haskell, React, TailwindCSS, TypeScript, Next.js, Flutter

**Technical Skills:** Report Writing, Customer Service, Web Development, Mobile Development

## **Leadership & Activities**

### **UNIVERSITY OF NOTTINGHAM MALAYSIA JAPANESE CULTURAL SOCIETY**

#### **Vice President**

April, 2022 – Present

- Led a team of 5 in organizing Induction Night 2022/23, attracting an impressive turnout of 50 participants, and earning a remarkable 98% positive feedback from attendees.
- Managed a team of 8 for Dessert Workshop 2022/23, achieving maximum participation with 16 participants over two days and successfully raised RM256. The event received a highly favorable 90% positive feedback from the participants.

#### **Assistant Event Manager**

October, 2021 – April, 2022

- Coordinated a team of 6 for Hangout Session 2021/22, facilitating collaboration between the University of Nottingham Malaysia Japanese Cultural Society and University Tunku Abdul Rahman Japanese Cultural Society which attracted a maximum of 30 participants from both universities and received an impressive 90% positive feedback rate.
- Headed a team of 12 for Oshogatsu (Japanese New Year) 2021/22, promoting Japanese New Year culture to society members via Microsoft Teams. The event garnered 25 participants and achieved a remarkable 95% positive feedback rate.
- Orchestrated two movie night sessions through Discord, each drawing an average of 20 participant, providing enjoyable and engaging experiences for the members.

## **Award**

### **WORLDQUANT BRAIN**

#### **1<sup>st</sup> Runner Up in Alphathon**

November, 2023

- Achieved 1<sup>st</sup> Runner Up in an individual Alphathon competition.

### **PROCTER & GAMBLE (P&G)**

#### **Local Finalists in P&G Peakathon**

December, 2023

- Surpassed over 200 participants to attain Top 15 in Malaysia in a group of 3.

### **UNIVERSITY OF NOTTINGHAM MALAYSIA**

#### **Dean's List, Year 1 Computer Science**

September, 2023

- Outperformed over 130 students in the course to achieve Top 2% (rank 1).

### **UNIVERSITY OF NOTTINGHAM MALAYSIA**

#### **Top Student Award, Foundation in Science**

September, 2022

- Earned rank 1 in a class of 164 students.

### **UNIVERSITY OF NOTTINGHAM MALAYSIA**

#### **Dean's List, Foundation in Science**

September, 2022

- Accomplished an impressive average score that was in the Top 8%.

### **JABATAN PERKHIDMATAN AWAM (JPA) MALAYSIA**

#### **JPA Lepas Sijil Pelajaran Malaysia Scholar**

July, 2021

- Obtained a 100% scholarship to further studies for both pre-university programme and degree of the scholar's choice at any accredited university in Malaysia.

### **JABATAN KETUA MENTERI MELAKA**

#### **Excellent Student Award**

June, 2021

- Awarded RM1000 by the Melaka government for obtaining straight A+ in SPM.

## **Volunteer**

### **SEKOLAH MENENGAH KEBANGSAAN INFANT JESUS CONVENT**

#### **Academic Mentor (Mathematics and Additional Mathematics)**

January, 2020 – February, 2021

- Mentored and provided academic support to five Form 5 students throughout the academic year.
- Assisted tutees with homework assignments and offered supplementary lessons, focusing on practicing past-year papers, to reinforce mentees' understanding.
- Successfully achieved tutees' academic goals, improving from an average of B+ in Mathematics and C in Additional Mathematics to A in Mathematics and A- in Additional Mathematics, demonstrative effective mentoring, and teaching abilities.

## **Reference**

**(Madam) Chong Min Tan**

Mathematics Teacher

Sekolah Menengah Kebangsaan Infant Jesus Convent

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**(Dr) Tissa Chendesa**

Director of Marketing & Students Experience | Assistant Professor

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