

Yeo Yi Xin

Searching for Software Engineer internship opportunity

Melaka, Malaysia (Willing to relocate) • sara.yeo.yixin@gmail.com • [LinkedIn Profile](#) • [GitHub Profile](#) • [My Portfolio](#)

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, GitHub Desktop, Fetch API

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

Technical Skills: Report Writing, Customer Service, Web 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

1st Runner Up in Alphathon

November, 2023

- Achieved 1st 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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