

# Nigel Seah Jun Yang

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## Education

### University Of Nottingham Malaysia

Sep 2022 – Present

*Bachelor of Science in Computer Science with AI (WAM 70%)*

- Modules completed:  
Operating Systems and Concurrency, Software Engineering Group Project, Algorithms Data Structures and Efficiency, Introduction to Image Processing, AI Methods, Programming Paradigms (Object Oriented Programming), Discrete Maths
- Recipient of High Achievers' Scholarship (25%)

### Methodist College Kuala Lumpur

Jan 2021 – June 2022

*CIE A Levels*

- [3A\*s] Physics A\*, Chemistry A\*, Mathematics A\*
- Recipient of MCKL Excellence Award Scholarship (50%)

### Wesley Methodist School Kuala Lumpur (International)

Jan 2016 – Dec 2020

*CIE IGCSE*

- [9A\*s] Physics A\*, Chemistry A\*, Mathematics A\*, Biology A\*, Additional Mathematics A\*, Information Communications and Technology A\*, Accounting A\*, Malay as Foreign Language A\*, English A\*
- Scholar of the Year 2020

## Work Experience

### Blueskeye AI (Nottingham, UK)

July 2024 – Aug 2024

*Marketing and Communications Intern*

- Drafted a solution to improve existing website traffic with digital marketing and good UI and UX design.
- Created a more appealing user interface in [Figma](#) to improve website user experience and user flow, taking multiple user stories in consideration.
- Implemented my designs for admins who are less technical with code to maintain
- Gained real-life experience to adapt to work in a fast paced start-up company
- Demonstrated project management skills to fit a relatively demanding project into a small timescale and completed it within that timescale
- Demonstrated multiple project skills such as competitor website research, stakeholder meetings setup, and gained approval from stakeholders about my research with my good selling skills
- Gained knowledge about SEO and digital marketing

### NHS Nottingham University Hospitals (Nottingham, UK)

Nov 2023 – May 2024

*Software Engineering Intern*

- Software Engineering Group Project from Year 2, which the NHS is currently interested in using in their hospital
- Led the frontend team in designing and creating the UI, while also mentoring team members in React.js and Figma
- Applied solid Object-Oriented Programming principles to create structured and scalable architectures
- Utilised multiple testing libraries for the Flask backend, API, and frontend testing, ensuring software quality
- Wrote SQL queries for backend implementation in python and connection between the MySQL database and backend

### VaazMe (Kuala Lumpur, Malaysia)

Sept 2022 – June 2023

*Software Engineering Intern*

- Developed proficiency in the Software Development Lifecycle, utilising Scrum methodology
- Contributed to a modern tech stack with Spring Boot for backend and React.js for frontend

- Implemented Docker for consistent development environments, enhancing collaboration
- Established CI/CD pipelines using Jenkins, resulting in faster and more reliable releases
- Teamwork through regular code reviews and embraced GitOps for efficient version control

### Leadership Experience

#### Interact Club of Wesley Methodist School Kuala Lumpur

June 2019 – Aug 2020

##### Assistant International Understanding Director

- Planned the Annual International Understanding Day (2020) and gained beneficial experience on how to lead a team with responsibility
- Assisted and overviewed the planning of many major events such as school's annual carnival, multiple community service events, club's annual kid's carnival event for different orphanages and many food sales as fundraisers
- Organising Committee for the Interact Club's Treasure Hunt Fundraising Event

#### Osaka Exchange Programme

Nov 2019

##### Student Ambassador

- Served as a Student Ambassador to help coordinate several performances and agenda flow

### Personal Portfolio Projects

#### Electric Vehicle Charging Mobile Application

2024

- Created an EV Charging app to allow users to find nearby EV chargers with efficient algorithms
- Used Flutter (frontend) and Firebase (backend) for authentication and database storage

#### Bible Study App

2024

- Created a bible note taking web application that allows users to log in, join/create a bible study group and create notes for that specific bible passage. The notes can then be seen, liked and commented on by anyone in that group.
- Used React (frontend) and Firebase (backend) for authentication and database storage

#### Contacts App

2023

- Created a CRUD contacts application using React (frontend), Spring Boot (backend) and PostgreSQL
- Tested and deployed the application to the internet, utilising Netlify for the frontend and Render for the backend

#### Python Web Scraper

2024

- A simple web scraping algorithm made in python

### Additional Information

**Programming Language Proficiency:** HTML, CSS, JavaScript, Typescript, Java, C, Python, Dart, SQL

**Modern Web Technology Proficiency:** React.js, Spring Boot, Flask (beginner), Flutter, Next.js, React Native

**Soft Skills:** Strong teamwork and communication skills, adaptability, strong analytical skills, problem solver, self & fast learner

**Language:** English, Chinese, Malay, Cantonese

**Interests:** Photography, Travelling, Fitness, Boulderling, Badminton