



## Contact

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## Skills

Problem Solving Skill



Creative Thinking Skill



Leadership Skill



Java, C



HTML, CSS, Java Script



PHP, SQL



## Achievements

2023

Nottingham Dean's Excellence Award  
2022/2023 (Y2)

2022

Nottingham Dean's Excellence Award  
2021/2022 (Y1)

2021

Nottingham Dean's Excellence Award  
2020/2021 (Foundation)

2020

Web Design Best Project Award  
(IEEE CTSoc)

2019

Foundation High Achievers Scholarship  
(HAS)

# Kelly Tan Kai Ling

## Computer Science Student

As a final year computer science student, I am driven by a passion for web design and software development, constantly seeking to expand my knowledge and skills in these fields. With a keen eye for detail and a creative mindset, I thrive on bringing innovative ideas to life through intuitive user interfaces and robust software solutions. Eager to contribute to cutting-edge projects and collaborate with like-minded professionals, I am committed to delivering high-quality results that exceed expectations.

## Education

○ 09/2021 - present

### BSc (Hons) Computer Science with Artificial Intelligence

University of Nottingham Malaysia Campus

**Result:** 79% (First-Class Honors)

**Relevant modules:** Machine Learning, Computer Vision, Mobile Device Programming, Software Engineering, Human Computer Interaction (HCI), Professional Ethics in Computing

○ 04/2020 - 04/2021

### Foundation in Science

University of Nottingham Malaysia Campus

**Result:** 85% (First-Class Honors)

**Relevant modules:** Fundamentals of Programming, Fundamentals of Computing, Internet Programming, Biology, Chemistry, Mathematics, Introduction to Psychology

○ 01/2015 - 11/2019

### Sijil Pelajaran Malaysia (SPM)

SMK Convent Bukit Nanas

**Result:** 7A+, 3A, 1B+

**Relevant modules:** Additional Math, Biology, Chemistry, Physics, Account, Chinese

## Working Experience

○ 05/2023 - 09/2023

### Intern - Software Engineer

Guidewire | Bangsar South

- Actively contributed to the development of new features using Gosu and Java, enhancing the functionality and capabilities of our software.
- Took part in quality assurance by writing Gosu GUnit tests, built upon Java JUnit, to test every new function, ensuring the reliability of our codebase.
- Conducted comprehensive UI testing using GT-UI, which is based on cucumber.js and TestCafe, guaranteeing a seamless user experience.
- Deployed new features into the testing environment using TeamCity, contributing to the continuous integration and delivery pipeline of our projects.

○ 06/2022 - 09/2022

### Intern - Frontend Web Developer

Fusionex Group | Petaling Jaya

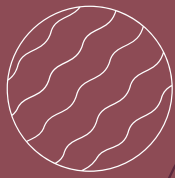
- Designed and developed user interfaces with JavaScript frameworks, HTML, and CSS
- Translated designs and wireframes into high-quality code using HTML, CSS, Knockout.js, and Vue.js
- Updated documentation on product UI guideline

○ 11/2019 - 08/2022

### Part Time - Art Teacher

Genio Art Cheras | Cheras, KL

- Teach art and craft to kids aged 3 - 12 years old
- Art craft training for beginner and intermediate level



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## Languages

### Mandarin

- Native: ●●●●●●

### English

- Advance: ●●●●●●

### Malay

- Intermediate: ●●●●●●

### French

- Elementary: ●●●●●●

## References

- **Dr. Doreen Sim Ying Ying (Tutor)**  
Assistant Professor  
School of Computer Science  
Faculty of Science and Engineering  
University of Nottingham Malaysia  
Email: [doreen.sim@nottingham.edu.my](mailto:doreen.sim@nottingham.edu.my)
- **Dr. El Ioini Nabil (Lecturer)**  
Associate Professor  
School of Computer Science  
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- **David Chui (Internship Manager)**  
Engineering Manager  
Guidewire Software  
Email: [dchui@guidewire.com](mailto:dchui@guidewire.com)

## Projects

### ○ ArtMind: Art Analysis Tool for Creativity

#### Final Year Project

- Conceptualized and developed ArtMind, a web-based tool for analyzing user drawings using the Torrance Test of Creative Thinking- Figural.
- Integrated YOLOv8 machine learning model for precise drawing element detection.
- Conducted user evaluations to evaluate the system's reliability and acceptability following the AI-TAM framework.
- Produced a comprehensive project dissertation documenting the process and findings.

### ○ ArtMind: Art Analysis Tool for Mental Health

#### Mobile Device Programming

- Designed and implemented an Android app for mental health analysis through art.
- Leveraged Firebase for efficient data management and synchronization.
- Executed thorough testing using JUnit and AndroidJUnit frameworks.
- Prepared a detailed project report highlighting features and implications of the app.

### ○ Authoring System

#### Software Engineering Group Project- Group Leader

- Led a team of 3 members in the development of a web-based authoring platform, coordinating meetings and delegating tasks to ensure project success.
- Developed a website using PHP, HTML, CSS, JavaScript, and MySQL for versatile content creation and management.
- Conducted Jest unit testing to ensure robustness and reliability of the website.
- Compiled a comprehensive report detailing project objectives, methodologies, testings, and outcomes.

### ○ 2048 Game

#### Software Maintenance

- Managed maintenance and enhancements for the popular 2048 Game in JavaFX.
- Implemented corrective, preventive, and perfective maintenance as well as introduced new features and designs to enhance user engagement.
- Conducted thorough JUnit testing to maintain game integrity and performance.

## Extra Curricular Activities

### ○ 03/2024

#### Open Day 2024

##### Computer Science Student Ambassadors

- Introduced visitors to various computer science projects, providing insightful overviews and answering questions.
- Collaborated with fellow ambassadors to coordinate event logistics.

### ○ 09/2022 - 05/2023

#### Archery Club

##### Coach Committee

- Provide archery training sessions for the members weekly
- Design and organize archery activities for events

### ○ 04/2022 - 09/2022

#### Virtual Web Design Summer Camp 2022

##### Team Lead | Computer Science School Experience Team

- Organized 3 days online web design workshop for 100+ secondary school students
- Managed team of 15 members, assigning tasks to set expectations for each goal

### ○ 07/2021 - 08/2021

#### "Share The Future" Project

##### Local Virtual Volunteer | AIESEC UNMC

- Participated in the project which works in regard to Sustainable Development Goal 3
- Designed and conducted online sessions and self-made videos for Myanmar-Chin youths.