

Tan Voon Tao

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No120, Batu 4 1/2, Jalan Penrissen, 93250 Kuching, Sarawak

Education

Bachelor of Science, Computer Science

Swinburne University of Technology Sarawak – Kuching, SWK.

Majors: Software development + AI

CGPA: **3.88 (until year 1 sem 2)**

Experience

Naim Holdings Berhad – Kuching, SWK.

July 2022 – Aug 2022

Industrial Training (2-months Internship) – IT Department (present)

- Responsible for transferring Universal Analytics (old technology) to Google Analytics 4 (latest technology)
- Get the data from the API and store it in the database using PHP & MySQL
- Responsible for redesigning the database and speeding up the script for storing the database using the prepared statement

CIY.Club – Kuching, SWK.

Mar 2022 – Apr 2022, Jun 2022 - Present

Programming Tutor (Due to internship, only working on Weekend)

- Teach primary school kids every Saturday and Sunday (weekdays will be a primary subjects tutor)
- Conduct classes of maximum 8 students undergoing the Children's programming courses
- Integrate 3D lessons learned into my assignment by applying 3D models to the website
- Explore more coding methods from kids and improve my basic understanding

Swinburne University of Technology Sarawak – Kuching, SWK.

Sept 2021 – Jun 2021

Programming Help Desk Student Mentor

- I was recommended to be a student tutor for a unit called: 'web application', specifically providing problem-solving ideas or debugging for juniors.

EM Home Tuition – Kuching, SWK.

Aug 2020 – Sept 2021

Primary/Secondary School Tuition Tutor

- I had been teaching primary school students for primary 2 and 3. I had also been teaching Form 1 students. I usually will spend 1.5 / 2 hours in a class and around 3 – 5 classes per week.

Projects & Extracurricular

E-commerce website with Dashboard Management – [GitHub](#)

May 2021 – Jun 2021

- **jQuery Ajax, jQuery, JavaScript, PHP, MySQL** Database in Procedural Programming, and **Web API (File)**.
- Customer can order via an online shop, whereas admin can manage stock via a dashboard
- Used Google Cloud API to implement login/register feature (**Firestore**)

Employees Management System – [Github](#)

Sept 2021 – Oct 2021

- **jQuery Ajax, jQuery, JavaScript, PHP, Bootstrap 4** in Object-oriented Programming, and **Web API (File)**.
- detect illegal string, search based on criteria, read and modify text file content

Online Catering System – [Github](#)

Mar 2022 – May 2022

- Led team of 6: organized meetings, delegated tasks, helped teammates debug, etc.
- Implemented the entire system to allow **CRUD** operations on the members and caterings list (**JavaScript, PHP, MySQL, HTML, CSS, Bootstrap4**).

- Designed the overall website concept/layout, implemented template for the team, and deployed on Localhost.

My Friends System – [Github](#)

Oct 2021 – Dec 2021

- **jQuery Ajax, jQuery, JavaScript, PHP, Bootstrap 4, MySQL Database** in Object-oriented Programming, and **Web API (File)**.
- similar as Facebook counting mutual friends using one single MySQL syntax
- able to calculate mutual friend number from friends and from non-friends
- detect illegal string, login/register feature, initialize database using text file content

Gomoku Game with Minimax and alpha-beta pruning algorithm – [Github](#)

Sept 2021 – Dec 2021

- **C# with Splashkit library** in Object-oriented Programming, UI-based game.
- Utilize 4 object-oriented principles, and MVC structure, some simple design patterns included
- Sequence diagram for checkwinner() function, UML class diagram represent the program structure
- Game AI using Minimax and alpha-beta pruning algorithm

SwinClubEventManagerApplication – [Github](#)

Apr 2022 – Jun 2022

- **Kotlin in Object-oriented Programming, Firebase Realtime Database, Firebase Authentication, Firebase Cloud Messaging**
- Implemented Login and Register feature using Firebase Authentication
- Get familiar with non-relational database & manage club and event details using Firebase Realtime Database
- Implemented notification system using Firebase Cloud Messaging once the event gets created, updated and deleted

Skills

Programming: Python, HTML5 CSS3, Bootstrap4&5, PHP, MySQL, JavaScript, Basic JQuery & Ajax, C++, C# Splashkit, Ruby, Kotlin

Other: Git, KNIME, OOP, MVC, Design Pattern, UML class diagram, Sequence diagram, Database management (MySQL)