Tey Kai Ying *Software Developer*

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PROFESSIONAL EXPERIENCE

Juris Technologies May 2023 – May 2024
Software Engineer Malaysia

- Developed software solutions for **banking and financial institutions** using **PHP**, **JavaScript**, **HTML** and **PL/SQL**
- Led in deployment and configuration of applications during the **SIT** and **UAT** phase, ensuring project completion in three months
- Diagnosed and resolved over 50 software defects through debugging, improving system stability, user satisfaction and minimising downtime
- Collaborated with cross-functional teams to align technical solutions with business requirements, ensuring projects met business objectives

Times Software Pte Ltd Nov 2021 – Feb 2022
Web Developer Intern Remote

- Designed and implemented visual elements and overall layout of payroll and human resource management web application using **C#, Blazor framework**
- Reviewed and refactored existing code to optimise code quality and maintainability
- Documented UI components, detailing functionality, function parameters, CSS styles, and outlining logic and actions, providing clear guidance for future development and easier maintenance

EDUCATION

Bachelor of Computer Science - GPA: 3.95 2019 – 2023
Monash University Malaysia Malaysia

Exchange Programme Sep 2022 – Dec 2022
University of British Columbia Vancouver, Canada

SKILLS

- Technical Skills: PHP, Javascript, Python, Java, SQL/Database, HTML, CSS, Git, Linux, Postman
- Languages: English, Mandarin, Bahasa Melayu, Cantonese

AWARDS & ACTIVITIES

Programming League National 2022 - 2nd Runner Up (2022) | Monash Coding League - 1st Prize (2021) | Monash Quick Hack 2021 - 3rd Prize | Monash High Distinctions Commendation Letter (2020)

PROJECTS

Final Year Computer Science Project

- Developed a **real-time learning analytics tool** for analysing students' levels of participation on educational online discussion forums
- Presented a dashboard that displays the visualisation of the analysed data and the ranking using **ReactJS**
- Applied a **machine learning** clustering algorithm, **K-means**, to analyse and categorise students' participation levels
- Publication: A. C. Y. Yi, **T. K. Ying**, S. J. Yee, W. M. Chin and T. T. Tin, "InPath Forum: A Real-Time Learning Analytics and Performance Ranking Forum System," in *IEEE Access*, vol. 10, pp. 128536-128542, 2022. https://doi.org/10.1109/ACCESS.2022.3227430