



SHI CHANG TAN

Back End Developer

Seeking to get a challenging position in the computer science industry where I can utilize my experience and knowledge in machine learning and data science to develop innovative solutions and contribute to organizational growth.

Contact

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📍 Batu Ferringhi, Penang, Malaysia

Education

Sep 2019 – Oct 2021

Bachelor of Computer Science (Hons)

UOW Malaysia KDU Penang
University College

Apr 2017 – Apr 2019

Diploma in Computer Studies

UOW Malaysia KDU Penang
University College

Jan 2012 – Nov 2016

**Malaysian Certificate of Education
(SPM) 2016**

Chung Ling High School
Penang, Malaysia

Technical Skills

- Python
- HTML5, CSS3
- PHP (Laravel, CodeIgniter)
- JavaScript
- SQL (Microsoft SQL, MySQL)
- Git
- C# (WPF)
- C++
- Java
- Microcontrollers (Arduino)
- Microsoft Office

Experience

KF TECHFLOW SOLUTION

Back End Developer

Apr 2022 – June 2023

- Revamped web application architecture by implementing Laravel and CodeIgniter frameworks for PHP programming.
- Streamlined data management processes, achieving 25% faster query response times.
- Optimized website performance and scalability, increased server response rate by 40%.

Junior Web Developer

Oct 2021 – Mar 2022

- Collaborated with cross-functional teams to implement website features, enhancements, and bug fixes.
- Actively participating in code reviews, leading to a 20% increase in code quality, and found a cross-site scripting vulnerability.

PG Mall Sdn. Bhd.

Industrial Trainee

Jun 2021– Aug 2021

- Completed a comprehensive industrial training program on web development on international projects while learning and applying HTML5, CSS3 and PHP languages.
- Gained practical experience in front-end and back-end technologies, responsive design, and user-centered development principles by developing a mobile-first design web application while working with a team of 3 other developers.

Sophic Automation Sdn. Bhd.

Software Developer

Apr 2019 – Jun 2019

- Architected and implemented project-based C# WPF software applications with a group of 4 developers.
- Integrated application with Microsoft SQL server to streamline oven monitoring systems, resulting in a 50% acceleration on monitoring ovens on multithreading and 35% reduction in memory allocation to fulfill temperature calibration accuracy by 80%.

Industrial Trainee

Dec 2018 – Mar 2019

- Conducted research on software development for Internet of Things (IoT) applications, focusing on hardware connection, user-interface design, and client-developers project requirements communication.

Soft Skills

Communication	<div><div></div></div>
Creativity	<div><div></div></div>
Teamwork	<div><div></div></div>
Project Delivery	<div><div></div></div>
Critical thinking	<div><div></div></div>
Presentation	<div><div></div></div>

Achievement

Apr 2018 – Apr 2019

Vice Secretary of UOW KDU
Computer Club

UOW Malaysia KDU Penang
University College

Projects

Thermal Body Temperature Monitoring System

- Developed an individual project on leveraging Artificial Intelligence and IoT technologies to analyze health conditions during the COVID-19 pandemic.
- Designed C# WPF software application successfully with Microsoft SQL server for body temperature recognition and identified potential health risks, contributing to public safety efforts.

Coursework Management System

- Assessed as a team, concentrating on web graphical design elements (User-Interface) with HTML5 and CSS3 for the completion of a management system that functions between students and lecturers.

Languages

Mandarin	English	Malay
Native, Read & Write	Read & Write	Read & Write
Hokkien		
Dialect: Verbal		

References

Dr. Yeap Gik Hong

Head of School of
Engineering & Computing
UOW KDU Penang
University College

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Dr. Ng Fong Chiu

Senior Lecturer
UOW KDU Penang
University College

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