

Chang Kok Shen

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PROFILE

My name is Chang Kok Shen, I am currently a Year 3 Semester 1 University student pursuing a degree in Computer Science at Universiti Tunku Abdul Rahman. I am currently seeking an active employment opportunity in the fields of Frontend Web Development. My Current web technology interests are **React, Typescript, LESS, SASS, REST API, GraphQL, JSON**. My expected completion of study is on **22 June 2025**.

EDUCATION

Universiti Tunku Abdul Rahman

Bachelor of Computer Science (Honours)

Kampar, Perak

2022 June – 2025 June

- **Current CGPA : 3.6141**
- Actively learned various fundamentals of computer science concepts including procedural, object-oriented programming design, database management, operating system, and data structures & algorithms.
- Able to understand and program CRUD (Create, Read, Update and Delete) operations for low level programming languages like C++.
- Able to understand and program web developments frameworks including HTML, CSS, JavaScript, Bootstrap and PHP.
- Understand software engineering methodologies including Agile, eXtreme programming, System Development Life Cycle, Scrum, Throwaway prototyping, and Waterfall model.
- Understand internetworking knowledge including configuring LANs, firewalls, network address translation, subnetting and understanding Internet Protocols including TCP/IP model.

SMK Malim Nawar

SPM

Malim Nawar, Perak

2016 January – 2021 March

- **Results : 7As (Highest distinction for Physics, English, and History)**
- Participated in various STEM competitions during high school like STEM UP , Chemistry Pitching, Inter-state chess competitions and international math quizzes like Kangaroo Math.
- Actively involved in Extracurricular activities like organising school level chess competitions and handled all financial transactions of the English organising committee.

EXPERIENCE

Koson Technology

Software Solutions Provider / Outsource Solutions Provider

Ipoh, Perak

Software Engineer Intern

2023 October – 2024 January

- Collaborated with **3 experienced overseas developers in Hong Kong and China** to create a **mobile responsive** WeChat mini program to control the Temi robot.
- Scheduled weekly Microsoft Teams meeting to **report progress , discuss code fixes and solutions** for the WeChat mini program.
- Lead the **main production** of the WeChat Mini program with other developers in an **Agile development**, constantly changing and implementing **sudden requirement changes** given by Robocore (the mother company of Temi robots production).
- Successfully completed the remaining **20%** of the WeChat Mini program functions which include the implementation of the **core map function** that is used to pinpoint the locations the Temi robot can move to.
- Reevaluate and refactor existing source code, debugging existing errors from the WeChat mini program. Finally cleared up **70%** of messy and redundant code.
- Actively test and deploy at least **7 releases** of the TemiScript WeChat mini program in GitLab including **version 1.1.1 up to version 1.1.7**.
- Tested **6 existing core functionalities** of the Temi Robot, ensure that the frontend is in sync with the Temi robot and server side.
- **Technologies used** : WeChat mini program, Weixin Markup Language, Weixin Style Sheets, JavaScript, GitLab, PHP

UTAR Final Year Project

Kampar, Perak

Smart Financial Tracking Mobile Application (In progress)

2024 October – 2025 May

Final Year Student

- Calling and integrating **Finverse Restful API** and can up to connect 3 local Malaysian banks, including Maybank, Public bank and CIMB
- Display basic to advanced bank details including remaining **bank balance, debit card transactions and currency**.
- Automate Financial reminders through **WhatsApp Business and N8N** using a low code workflow.
- Scrape personal personal **Touch n Go eWallet details** with **Selenium** for total assets, eWallet balance, Go+ balance and up to 90 days transactions.
- Record daily expenses intuitively using voice instead of manually inputting.
- Integrate a pretrained machine learning model to perform **Optical Character Recognition** on receipts.
- Generate key insights based on aggregated financial data using **generative AI** and **Retrieval Augmented Generation**.

PERSONAL INFORMATION

- **Languages** : English, Mandarin , Malay, and Cantonese
- **Personal website** : <https://kokshen.com/>
- **Github** : <https://github.com/kshen0414>
- **Linkedin** : <https://www.linkedin.com/in/chang-kok-shen-4b0b50188/>
- **Email** : kokshen3414@gmail.com
- **Clubs and Societies** : Cyber Security Club UTAR

TECH STACK/SKILLS

- **General tech stack** : C++ , Python(Procedural) , Python (Machine Learning), Java (Object-Oriented)
- **Frontend stack** : HTML, CSS, Bootstrap , JavaScript, WeChat mini program
- **Backend stack** : PHP
- **Mobile application** : Dart (Flutter) , Java, XML, YAML
- **Automation** : Postman , N8N, Selenium
- **Database** : Oracle (SQL plus), MongoDB, Hadoop,Microsoft Access, XAMPP , MySQL
- **Version Control** : Git, GitHub and GitLab
- **Documentation** : Markdown

CERTIFICATIONS / COURSES

- Oracle Cloud Data Management 2023 Certified Foundations Associate
- Oracle Cloud Infrastructure 2023 Certified Foundations Associate
- Microsoft Learn AI Skills Challenge (Machine Learning)
- Introduction to Version Control with Git