



# LAW XIN YING

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🌐 [vallawxy](https://vallawxy.github.io/)

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## PROFILE

A passionate and self-disciplined computer science student who is willing to take on challenges and enthusiastic about gaining new experiences. Proficient in utilizing software and tools in data analytics. Looking to leverage my knowledge to create value and help the company achieve the desired results.

## EDUCATION BACKGROUND

### ● Bachelor of Computer Science major in Data Engineering

Sep 2018 - Oct 2022

University of Technology Malaysia (UTM), Skudai, Johor

CGPA : 3.90, Dean List Holder

### ● STPM major in Science Stream

Apr 2016 - Dec 2017

High School Muar, Muar, Johor.

CGPA : 3.42

## ACHIVEMENTS

### ● Sustainable Entrepreneurial Mindset Showcase (SEMS 3.0), 2020

Third Place, Best Video and Category Winner

### ● Startup Weekend Johor Bahru @ UTM 2019: Eco-Innovation

Winner

### ● Shopee Code League 2021

Participant

### ● MonsoonSIM UTM Enterprise Resource Management Challenge (ERMC) 2020

Finalist

## SKILLS

### ● Technical:

VueJS, Quasar, Python, Django, C/C++, HTML, JavaScript, JAVA, PHP, MySQL, Tableau, Microsoft Power BI, Talend

### ● Interpersonal:

Teamwork, Communication, Time Management, Adaptivity, Problem Solving

### ● Languages:

Mandarine, English, Malay, Cactonese, Hokkien

## PROFESSIONAL EXPERIENCE

### Top Glove Corporation Berhad | Internship

Oct 2021 - Jul 2022 | IT Trainee

Key responsibilities:

- Built internal web applications using Quasar and Django Rest Framework, including frontend UI and backend logic to digitalize daily operation processes.

Projects:

#### Automation for Incoming Account Receivables Posting System

Mar 2022 - Jun 2022

- Developed an efficient system that can automate the current manual posting process in an efficient, fast, and more accurate way.
- Implemented Robotic Process Automation (RPA) solution to match between bank slip information and bank statement transaction information.
- Implemented Optical Character Recognition (OCR) to do the data extraction from the bank statement and bank slip file.

#### Reward and Penalty System

Jan 2022 - Apr 2022

- Built a web application that allows user to submit their reward or penalty form.
- Implemented Email Automation to reach the user with reminder and notification messages.
- Used ChartJS to create the graph in the analysis dashboard.

#### Lab System

Oct 2021 - Jan 2022

- Built a web application that levitates the manual recording system into a digitized data recording system, eases the staff during lab planning and helps better data management and organization.
- Used XlsxWriter to create and generate a report to inspect task performance and increase management efficiency and accuracy.

## PROJECTS

### Tuition Centre Payment and Management System

May 2021 - Jul 2021

- Built an ASP.NET MVC application to manage the tuition centre's payment and student registration records.

### Projek Sarjana Muda (PSM) Online System

Apr 2021 - May 2021

- Built a system to manage students' final year projects by VueJs and Firebase.

### Hotel Booking Demand Analysis

Jan 2021 - Feb 2021

- Performed data cleaning, preparation, wrangling, and visualization using python.
- Performed appropriate machine learning method.

### Business Intelligence - Brazilian E-Commerce Public Dataset by Olist

Jan 2021 - Feb 2021

- Designed a data warehouse by implementing ETL methods using Talend tools and designed a dashboard to visualize the transformed data using Microsoft Power BI.
- Analyzed the trend of the customers and determined the right product to sell.
- Visualized the sales performance to generate targeted traffic and analyze the logistics performance.
- Provided suggestions based on the data insight obtained from the analysis.

### Business Intelligence - Open University Learning Analytics dataset

Dec 2020 - Jan 2021

- Designed a data warehouse by implementing ETL methods using Talend tools and developed a dashboard to analyze transformed data using Tableau.
- Analysed and visualized courses and students on their interaction with Virtual Learning Environment (VLE).