# PROFILE

**CONTACT**

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Dynamic Data Analyst with hands-on experience in engineering and a Master’s in Data Science. Over 1 years of experience in statistical analysis, predictive modeling, and data visualization using tools like Power BI. Achieved a high CGPA of 3.93/4.0 while developing machine learning models and managing ISO documentation. Committed to leveraging analytical skills and technical expertise to drive data-driven insights and support business decisions.

[https://stephenfan97.github.i](https://stephenfan97.github.io/Portfolio-Project/)

[o/Portfolio-Project](https://stephenfan97.github.io/Portfolio-Project/)[/](https://www.linkedin.com/in/chin-wei-f-67478a225)

# EDUCATION

**2023 - 2024**

# WORKS EXPERIENCE

### Universiti Technologi Malaysia

#### Master of Science, Data Science

2023 - 2024(GRADUATED)

##### UNIVERSITY OF TECHNOLOGY MALAYSIA

Master of Science, Data Science CGPA: 3.93 / 4.0

Proficient in statistical analysis, hypothesis testing, and predictive modeling to extract actionable insights and support data-driven decision-making

Experienced in designing, developing, and implementing machine learning models (supervised and unsupervised) for forecasting, classification, and clustering applications

##### 2016 - 2020

Skilled in

SQL for data extraction, cleaning, and transformation;

##### UNIVERSITI TUNKU ABDUL RAHMAN

Bachelor of Engineering of

experience with relational and NoSQL databases

Expertise in data visualization tools like Power BI to effectively communicate findings and complex analyses to stakeholders

Electrical and Electronic Engineering

### Pepperl+Fuchs Asia Pte Ltd

#### Fixtures & Tools Engineer

2022 - 2023

# SKILLS

Project Management Software skills like PowerPI, MongoDB, SQL, Python, Powerpoint, Words, Excel Teamwork

Fully responsible to respond the breakdown and diagnosing fault findings

Works involves checking, repairing, servicing the fixture & tools used in production

Planning & undertaking scheduled maintenance

Participate in cost reduction activities involving fixture & tools modification or improvement

Time Management Critical Thinking

### Kaifa Technology Malaysia Sdn Bhd

#### Equipment Engineer

2020 - 2022

Perform equipment installation, setup, equipment sustaining,

# LANGUAGES



English Mandarin Malay

troubleshooting & improvement projects

Fully responsible for machine up time & readiness for production Liaise with manufacturing departments & ensure scheduled PM is performed within the desired time frame

Prepare & maintain documentation, control plan, FMEA, & other ISO related document

# PROJECT DESCRIPTION

## Supermarket Sales Analysis - PowerBI

Analyzed supermarket sales data from 1000 active sales data and used the insights to identify trends, patterns, factors influencing sales performance.

Conducted using Power BI to ensure data quality, detect patterns, and prepare it for analysis and visualization.

Achieved highest net sales in January and significant sales spikes between 6–7 PM in Net Sales Performance dashboard.

## Store Sales Analysis - Data Mining Python

Analyzed stores ales dataset contains 19,415 rows and 3 columns with no null values.

Visualizations shows top 10 most and least frequently purchased items & Top 10 most frequently visited members.

Applied Apriori and FP-growth algorithms to identify frequent itemsets and generate association rules.

FP-growth Apriori.

demonstrated faster execution with identical results to

## Student Performance Analysis - R Language

Analyzed stores sales dataset contains 1000 rows and 8 columns with no null values.

The student performance in exams dataset is chosen to investigate the component that influenced the performance outcome

Applied Hypothesis Testing, Anova, Chi-Square Test, Goodness of Fit Test, Correlation and Regression method in this dataset.

These factors like gender of the student, the level of academic achievement of the student, and the class that the student was taking that influence student performance..

## Olist E-commerce Analysis - SQL Language

Analyzed Olist sales dataset contains information on 100,000 orders placed between 2016 and 2018 on several Brazilian marketplaces.

Olist uses the data to better understand long-term sales trends, identify peak times, and allocate resources.

Applied SQL & NOSQL database methods used in this dataset. NOSQL database demonstrated number of benefits over conventional SQL databases when handling Olist data.

Olist can benefit from the scalability, robust aggregation capabilities, document-oriented storage, and scalable indexing offered by NoSQL databases like MongoDB by utilising them.