GAN ZHENG QIAN

FINAL YEAR STATISTICS STUDENT - INTERN

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A final-year Statistics student with advanced knowledge of statistics and machine learning. Seeking an internship opportunity, expected to fall from 11 March till 23 August 2024. I am ready to leverage data analytics and data science skills and to gain new knowledge in the workplace. Able to conduct machine learning analysis and model building to make predictions and forecasts, that will aid your organization in solving issues, meeting its milestones and yield sustainable returns.

EDUCATION

National University of Malaysia (UKM) (Selangor, Malaysia) — Oct 2020 – Oct 2024
Bachelor of Science with Honours in Statistics — Current CGPA: 3.83/4.00

Kolej Matrikulasi Negeri Sembilan (Negeri Sembilan, Malaysia) — May 2019 – May 2020
Matriculation, Science Stream — CGPA: 4.00/4.00

SMK St. Xavier's Institution (Penang, Malaysia) — Jan 2014 – Dec 2018
Secondary Education, Science Stream — SPM: 7 A+'s and 2 A's

WORKING / PROJECT EXPERIENCES

National University of Malaysia (UKM) – Final Year Project — Mar 2023 – Mar 2024 (Ongoing)
Identified the dynamic relationship between Consumer Price Index and Producer Price Index in Malaysia using Granger Causality, to ensure economic stability of the country.

Boston Consulting Group (Virtual) – Data Science Project — Aug 2023
Built a predictive model for PowerCo, a major utility company, to identify factors why customer churned and offset the risks of churning due to power liberalization plan.

Maybank Student Ambassador 2023 — Mar 2023 (Ongoing)
Participated in Maybank FUNancial Day, a 24-hour virtual hackathon and will be conducting a career fair in collaboration with Maybank and UKM.

InvestingNote Malaysia Student Ambassador 2022 — May 2022 - Aug 2022
Participated in various stock investment related workshops, trading simulation competition and stock pitching competition.

National University of Malaysia (UKM) — Mar 2022 – Aug 2022
Modified a pre-existing SIR model to predict dengue cases, and derived specific solutions of the differential equations governing dengue hosts within the model, providing accurate and reliable predictions for disease transmission and prevention efforts.

Malaysian Red Crescent UKM Chapter (Selangor, Malaysia) – Section Head — Oct 2021 - Oct 2022

Yon Xin Fresh Farm Berhad (Penang, Malaysia) – Administrative Assistant — Jan 2019 - Mar 2019
Managed accounting tasks and oversaw customer payment on all orders for fruits and vegetables in the company, ensuring accurate and timely invoicing and payment processing.

ACTIVITIES & AWARDS

- ★ **Award Highlights**
  - ○ International Level
    - ■ ASEAN Data Science Explorer 2023 – Participation
      - Produced an overview of medicine improper disposal practices and wastage arise in ASEAN.
      - Built a system of mobile application, Pharm4u and dashboard, Pharmanager, which monitors medicine disposals, to solve medicine wastage issue, aligning with Sustainable Development Goal 12, target 12.4 on environmentally sound of chemical waste management.

- EY Open Data Challenge 2023 – Participation
    - Built a classification model to identify rice crops for given coordinates in certain Vietnam regions.
    - Built a multiple linear regression model to predict rice production yield for those coordinates.
    - Tuned both models and achieved accuracy above 0.8 for better predictions.

- National Level

    - Malaysia Techlympics Data Science Challenge 2023 – 1st Place
        - Created a dashboard to visualize CPI and PPI with their compositions and make time series forecasts using ARIMA model with Power BI.
        - Analyzed the dynamic relationships between CPI and PPI and their compositions using Granger Causality Test.
        - Recommended policies based on the relationships to stakeholders using supply side economics theory.

    - Maybank Virtual Hackathon – Youth4Fintech 2023 – Participation
        - Modified the current Maybank's MAE app for the elderly and disabled people by introducing vision-friendly modes and talk-to-speech function.
        - Introduced Check4u, a circuit breaker for preventing financial frauds and scams among the elderly.
        - Addressed the issue of how the current MAE app Is able to promote financial inclusion by relating to Sustainable Development Goal 1, No Poverty and 10, Reduced Inequalities.

    - Malaysia Data Innovation Talent × Department of Statistics Malaysia Datathon 2023 – 4th Place
        - Visualized an overview of Malaysia's diabetes prevalence and demographic based on age, gender, ethnicity and state.
        - Built a predictive model for more accurate diabetes diagnosis using Artificial Neural Network and achieved an accuracy of 97.5%.
        - Introduced an implementation and usage of the predictive model using Machine Learning Operations (MLOps).

    - SME Bank Sandbox Competition 2023 – Finalist
        - Visualized an overview of medicine improper disposal practices and wastage arise in Malaysia.
        - Built a system of mobile application, Pharm4u and dashboard, Pharmanager, which monitors medicine disposals, to solve medicine wastage issue, aligning with Sustainable Development Goal 12, target 12.4 on environmentally sound of chemical waste management.
        - Introduced a sustainable business idea of implementing the built system into current society, alongside predetermined targets and KPIs to ensure sustainable returns for investors of Pharm4u and Pharmanager.

    - Bursa Malaysia Investment Quiz 2022 – Finalist
        - Participated in 3 rounds of investment quiz which includes scope of equities and derivatives market, Islamic finance, and topic of Environment, Social and Governance (ESG).

    - Malaysia Techlympics Data Science Challenge 2022 – Finalist
        - Built a regression model on total carbon output based on several sources per capita.

    - InvestingNote Stock Pitch Competition 2022 – 2nd Place
        - Analyze financial health of Yenher Holdings Berhad, a Malaysian-public listed company on the Bursa Malaysia Stock Exchange.
        - Issued a buy call of 40% upside, based on forecasted earnings and projected target share price using the forward PE valuation method.

- University Level

    - Data Challenge 2023 by UKM Statistics Club – 1st Place
        - Built an overview of diabetes scenario in Malaysia and a predictive model on diabetes diagnosis.
        - Model built is implemented through a proper standard operation procedure, namely the circular diabetes diagnosis for better and more accurate diabetes diagnosis.

    - Statistics Infographic Competition 2022 by UKM Statistics Club – 2nd Place
        - Created an infographic poster of Statistics Program in UKM using Canva.

    - Data Challenge 2022 by UKM Statistics – 2nd Place
        - Built an overview of the effectiveness of online learning among students based on time spent students' daily activities and engagement.
        - Discussed the continuity of online learning norm in the current society.

- ■ Dean Awards of Faculty of Science and Technology 2021, 2022, 2023
  - Awarded to the students who have obtained a GPA of 3.67 and above in each semester.

★ **Community Service**

- ○ Organizer of MRCS International Humanity Law Sessions UKM Chapter (November 2022)
  - Conducted a 5-hour session to educate Red Crescent Members on International Humanity Law.

SKILLS

• Python and R	Advanced	• Automated Machine Learning (Pycaret)	Advanced
• C++	Basic	• Hypothesis Testing	Intermediate
• Excel	Advanced	• Stock Investment	Advanced
• Power BI	Advanced	• Fundamental and technical analysis	Intermediate
• SAP Analytics Cloud	Intermediate	• Time Series Forecasting	Advanced
• SAS Viya	Intermediate	• Machine Learning (Scikit-Learn)	Advanced
• Looker Studio	Advanced	• Deep Learning (Tensorflow)	Intermediate

CERTIFICATIONS

Data Science Virtual Experience Program   Aug 2023
Issuing organization: Boston Consulting Group (BCG)

Reading Financial Statements   Mar 2023
Issuing organization: Corporate Financial Institute (CFI)

Intermediate Machine Learning and SQL   Aug – Sept 2022
Issuing organization: Kaggle

Data Analysis with Python   Mar 2022
Issuing organization: freeCodeCamp

Introduction to Data Studio   Mar 2022
Issuing organization: Google

Malaysian University English Test (MUET)   Jan 2020
Issuing organization: Malaysian Examination Council
Grade: Band 4

SPOKEN LANGUAGES

• Chinese	Native
• Cantonese	Native
• English	Professional (MUET – Band 4)
• Malay	Professional
• Korean	Basic

REFERENCES

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