

# Foo Yau Yit

Data scientist  
Data analyst

Internship – 22<sup>nd</sup> April to 9<sup>th</sup> August '24

## Contact

Klang, Selangor, Malaysia  
+6011 1065 8290

Email: [desmondfoo0610@gmail.com](mailto:desmondfoo0610@gmail.com)

Website: <https://desmondfoo.vercel.app/>

LinkedIn: <https://www.linkedin.com/in/desmond-foo-a42b851aa/>

GitHub: <https://github.com/SHINE-six/>

## Summary

As a 2nd-year data analytics enthusiast, my passion is deeply rooted in the field of Data Science and Analytics, focusing on how data can significantly improve a business's daily operations. I specialize in pinpointing critical issues that initiate data science projects, adeptly collecting and processing datasets through efficient ETL (Extract, Transform, Load) procedures tailored specifically to project needs. My strength lies in a unique combination of skills: from thorough data analysis and integration to fine-tuning predictive models and deriving insightful conclusions. This expertise, coupled with a profound understanding of data's role in driving business success, equips me to make a meaningful impact in the realm of data analytics.

Additional interest areas: text mining, web scraping, deep learning, AI, Geospatial Analysis, IoT, frontend dev, backend dev, solution architecture, etc.

## Education

Asia Pacific University – GPA 3.73

BSc (Hons) in Computer Science with a Specialism in Data Analytic

## Skills

Data Analytic: R, Python, PowerBI, Looker Studio, SAS Enterprise Miner, QGIS, SQL, MS SQL, MY SQL, Google Colab, TensorFlow, machine learning

Others: GitHub, C, C++, Java, MySQL, Figma, IoT

Interpersonal skill: Fast learner, teamwork, leadership, curiosity, communication, critical thinker

## Experience

Jan 2021 – Dec 2023    3yrs  
Mathematics Teacher • Eye Level Learning

Apr 2022 – May 2022  
Waiter • Mahogani Roastery Café

Nov 2021 – Dec 2021  
Waiter • Cuppa Two Café

Responsibilities: Conceptual Instruction, Student-Centric Guidance, Skill Proficiency Assessment, Customer-Focused Service, Effective Communication, Situation Management, Efficient Task Prioritization

## Project (More info at GitHub)

### Geostatistical Analysis + Prediction of Air Pollution Index in West Malaysia

Collect multiple data from different sources and perform data integration. Perform data cleaning and data transformation. Perform data analysis and data visualization. Perform geostatistical analysis and prediction modelling of air pollution index in West Malaysia. Platforms that were utilized include but are not limited to, QGIS, R, Python & SAS Enterprise Miner.

#DataWrangling #DataPreparation #DataIntegration #RandomForest #GeostatisticalInterpolation  
#PredictionModel #Kriging #ETL #SASEnterpriseMiner

### Sales Performance Business Analysis

Conducted thorough sales data analysis utilizing PowerBI and SQL within a robust data warehouse framework. Produced insightful dashboards, offering strategic recommendations to improve overall business performance. Demonstrated a keen understanding of business dynamics and adeptly utilized technology to enhance decision-making processes.

#DataWarehouse #PowerBI #DataAnalysis #BusinessUnderstanding #SQL #BusinessStrategy

### India Rental Housing Market Analysis

Conducted an in-depth, data-driven exploration of India's Housing Market Dataset, unravelling key attributes influencing rent prices. Employed advanced statistical methods, including Hypothesis Testing, and harnessed R for comprehensive data transformation. This project showcases my expertise in deciphering complex datasets to extract valuable insights.

#DataAnalysis #HypothesisTesting #RProgramming #DataTransformation

## Honor/ Achievement

- APU AWS DeepRacer 2023
- Varsity Hackathon 2023
- APU Startup Weekend 2023
- MY Startup Hackathon x Petronas 2023
- GenM Youth4Fintech 2023
- DevHack 2023
- SAS Curiosity Cup 2024
- Hilti IT Competition 2024
- KitaHack 2024 (Best Impact Award)

## Club

### Asia Pacific Analytic Club (APAC) – Head of PR Team

- Data Analytic Club, managing the relationship with public sector during event as well as continuous connections off event

### IEEE APU Club – Head of Event Team

- Managing and overview the process of event, ensuring everything is up to quality and in control

## References

Ling Chze Chung  
+60 12-230 1986/ LinkedIn  
Director at Eye Level

Dr. Preethi Subramanian  
[preethi@apu.edu.my](mailto:preethi@apu.edu.my)  
Course lecturer in APU

