

Foo Yau Yit

Data Scientist
Data Analyst
Frontend developer
Full-stack developer
Solution Architect

Internship – April to August

Contact

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

Objective

I am a second-year data analytics enthusiast deeply passionate about Data Science and Analytics. My expertise lies in leveraging data-driven strategies to transform businesses. I specialize in identifying key challenges that necessitate data science initiatives and skillfully managing the ETL (Extract, Transform, Load) processes to tailor datasets to project requirements. My capabilities extend beyond meticulous data analysis and integration; I am adept at optimizing predictive models and extracting meaningful insights, all rooted in a comprehensive understanding of data's pivotal role in driving business growth.

Simultaneously, my avid interest in software development drives my continuous advancement in various aspects of this field. I have a strong focus on front-end development and design (especially 3d with Three.js), complemented by proficiency in back-end development and systems integration. This dual expertise allows me to efficiently translate ideas into practical prototypes. I am committed to refining my skills in these domains, always striving to stay at the forefront of best coding practices, keeping up with emerging technology trends, and understanding the latest technology stacks.

Additional interest areas: data science, data analytics, text mining, web scraping, deep learning, AI, IoT, etc.

Education

Asia Pacific University – GPA 3.73

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

Experience

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

Apr 2022 – May 2022
Waiter • Mahogany 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

AI-Powered Home Energy Management System

Developed GreenPeak, a mobile app Home Energy Management System (HEMS) with AI-driven energy optimization. This system integrates AI and IoT technologies for automated energy monitoring and management. Thorough experience in Google Compute Engine for hosting FastAPI and RasaNLU server; Arduino IoT for the IoT prototype to connection toward firebase; FastAPI for developing API that handle the state of firebase and connected to system and rasa chatbot; development of flutter and react into app.

#Flutter #React #IoT #AI #GoogleCloudPlatform #Firebase #RasaNLP #Fastapi #SmartHome

Turing game for text analysis

Developed an engaging Turing game that randomly pairs a human user to be randomly paired with another human user or AI chatbot, the message writing style and result are then collected to undergo text mining to determine the writing style of the person.

#ReactJS #Firebase #Firestore #TextMining #AI #ChatBot #GeminiAPI #TextAnalysis

AI Healthcare one-stop platform app

Developed AI Healthcare One-Stop Platform App, I utilized Flask for backend operations, enabling integration with PalmAPI for AI chatbot functionality and NewsAPI for the latest health news. React was instrumental in building a responsive frontend, enhancing user interaction and experience. Delivering key features such as real-time health updates, AI-generated content, and seamless hospital emergency room reservations, reflecting my expertise in leveraging modern tech to improve healthcare access.

#Flask #ReactJS #AIChatbot #APIIntegration #Python #MongoDB

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, Research in certain data analytic technologies

IEEE APU Club – Head of Event Team

- Managing & held events

Skills

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

Frontend: React.js, JavaScript, Three.js, React-3-fiber, TailwindsCSS, flutter

Backend: Flask, Node.js, FastAPI, MongoDB, Firebase, Firestore, GCP

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

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

References

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Director at Eye Level

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