

Kelvin Phang Keat Hung

Data Analyst

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EDUCATION

Sunway University

Aug 2020 – Aug 2023

Bachelor of Information Systems (Honours) (Data Analytics), First Class

- Validated by Lancaster University
- Jeffrey Cheah ACE Scholarship

Sunway College

Jul 2019 – Jul 2020

Foundation in Science and Technology

- Jeffrey Cheah Entrance Scholarship

ACADEMIC PROJECT

Capstone (Final Year) Project

Fake News Detection Using Social Media User Network and Engagement Features

- Conducted extensive research into fake news detection for project development
- Developed a fake news detection model in Python, incorporating insights gained from research and utilizing machine learning techniques
- Introduced a set of 9 user- and network-related features tailored for precise fake news classification
- Employed thorough evaluation techniques, including model hyperparameter tuning and K-fold cross-validation, to enhance model performance
- Achieved remarkable F1-scores of 0.8437 in the standalone model with the proposed features, and 0.8738 in the final model

Data Science Project

Credit Card Fraud Detection Using Machine Learning

- Led a team of six in the development of a credit card fraud detection model in Python, showcasing leadership and collaboration
- Drove feature engineering efforts, harnessing business intelligence techniques to enhance the model's accuracy
- Pioneered the implementation of cost-based learning strategies within the model, yielding a significant 91% reduction in fraudulent transaction amounts
- Delivered a net savings of 82.6% after factoring in associated costs, demonstrating an end-to-end understanding of the project's impact

EXPERIENCE

Data Analyst Trainee (Lean Six Sigma)

Dec 2022 – Mar 2023

Jabil

Bayan Lepas, Penang

- Employed cost-sensitive learning in predictive modeling, with a focus on identifying product failure to enhance stakeholder satisfaction and operational fulfilment
- Streamlined manufacturing test processes, achieving substantial net savings through A/B testing
- Actively contributed to three concurrent operational improvement projects, showcasing strategic planning and collaboration in a team
- Effectively communicated complex data results through PowerPoint presentations for performance monitoring
- Analyzed cross-departmental datasets for data accuracy, reliability, and risk assessment
- Developed Excel functions to automate data processing for visualization dashboard

Piano Teacher Assistant

Apr 2022 – July 2022

Jammin' Senzation

Green Lane, Penang

- Taught piano and music theory to a class of 4 students
- Updated head teacher on students' progress on a weekly basis

Volunteer

Jan 2022 - Mar 2022

SPCA Penang

Jelutong, Penang

- Contributed to the design and production of SPCA merchandise
- Maintained the cleanliness of the animal shelter weekly
- Acquired knowledge of animal adoption responsibilities and the functioning of the organization

Information System Assistant

Jan 2019 – Mar 2019

Oriental World Martial Arts Supply (OMAS)

Ayer Itam, Penang

- Grouped over 300 products with proper IDs/categories and implemented the search function
- Displayed real-time stock information and handled errors for out-of-stock or non-available product variations
- Collaborated with front-end developers to design and develop an e-commerce website
- Communicated with the employer to understand the requirements on the e-commerce website

SKILLS

Big Data Mining & Analytics, Machine Learning, Probability & Statistics, Critical Thinking

Programming Languages: Python, R, SQL

Data Analytics Tools: Hadoop, Pig, Spark, Power BI, SAS

Libraries: pandas, NumPy, scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn

LANGUAGES

English (Native)

Chinese (Native)

Malay (Professional working proficiency)

Japanese (Intermediate proficiency)