Kelvin Phang

+6016-4600771 | kelvinphang01@outlook.com | linkedin.com/in/kelvinphang01 | github.com/kelvinphang01

EDUCATION

Sunway University Aug 2020 – Aug 2023
Bachelor of Information Systems (Honours) (Data Analytics)

- 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

- Proposed 9 user- and network-related features for fake news detection
- Tested 8 machine learning algorithms for binary classification with hyperparameter tuning and K-fold cross-validation
- Improved F1-score by 0.2569 in the final model compared to the baseline model
- Achieved F1-score of 0.8437 in a standalone model with the proposed features

Data Science Project
Credit Card Fraud Detection Using Machine Learning

- Collaborated in a team of six to develop a credit card fraud detection model using Python
- Led feature engineering efforts and implemented cost-based learning strategies within the model
- Achieved a 91% reduction in fraudulent transaction amounts, resulting in a net savings of 82.6% after accounting for associated costs.

EXPERIENCE

Industrial Trainee (Lean Six Sigma) Dec 2022 – Mar 2023
Jabil *Bayan Lepas, Penang*

- Employed cost-sensitive learning in predictive modeling to identify product failure effectively
- Streamlined manufacturing test processes and maximize net savings through A/B testing
- Supported 3 concurrent operational improvement and cost savings projects with data analytics expertise
- Demonstrated data visualization through PowerPoint presentations to effectively communicate data mining results
- 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

Photography Assistant Jan 2022

Digiphoto Entertainment Imaging (DEI) *Ayer Itam, Penang*

- Captured images in more than 100 photography sessions daily
- Reported customer feedback and requests to the supervisor
- Gave suggestions on how to increase customer engagement and secure repeat purchases

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)