

# Kelvin Phang

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## EDUCATION

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### 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

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### Capstone (Final Year) Project

Aug 2022 – Aug 2023

*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

## EXPERIENCE

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### 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**  
*SPCA Penang*

Jan 2022 - Mar 2022  
*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**  
*Digipho Entertainment Imaging (DEI)*

Jan 2022  
*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**  
*Oriental World Martial Arts Supply (OMAS)*

Jan 2019 – Mar 2019  
*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

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**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

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**English** (Native)  
**Chinese** (Native)  
**Malay** (Professional working proficiency)  
**Japanese** (Intermediate proficiency)