Keith Ching

+61 415 376 087 | keithckh1995@gmail.com | e-Portfolio: https://kkh-portfolio.netlify.app/index.html

PROFESSIONAL SUMMARY

Emerging data scientist proficient in designing, implementing, and deploying software applications for comprehensive data analysis. Skilled in applying the CRISP-DM methodology to conduct data and statistical analysis, providing actionable insights for improvements. Possesses expertise in deep learning, particularly in Computer Vision (CV) and Natural Language Processing (NLP).

KEY PROJECTS

Herbs Classification

GitHub repository: https://github.com/kkh0714/herbs_classification

- A CV group project that classified 20 different species of culinary herbs using various pre-trained models. Images were captured with phones or cameras to simulate a realistic work process.
- Results demonstrated the robustness of pre-trained models in classifying herbs with distinct changes in appearance (from healthy to withered), though the models struggled with different species of herbs with similar appearance.

TV show Classification and Search Project

GitHub repository: https://github.com/kkh0714/classification_and_search

- Classify the genres of a TV show based on its description with Word Embedding neural network model. A simple search engine BM25 is implemented and display the most likely TV show names based on each search query.
- Successfully putting Classification and Search systems with Machine Learning Models into a production environment

TECH SKILLS

- **Programming Languages:** Python, R, HTML, CSS, Ruby, JavaScript, ReactJS, SQL, Neo4j
- **Framework:** PyTorch, TensorFlow
- **Database:** PostgreSQL, SQLite, MySQL
- **Cloud Service:** AWS S3
- **Software:** VScode, Jupyter Notebook
- **OS:** MacOS, Windows
- **Deployment**: Netlify, Heroku

OTHER SKILLS

- NSW Full Driver License
- Fluent in English, Cantonese, and Mandarin. Basic Japanese

EDUCATION

Master of Data Science   *Feb 2023 – Nov 2024*
Macquarie University

Diploma of Information Technology (Higher Education)   *Aug 2021 – Feb 2022*
Coder Academy

Bachelor of Commerce – Accounting & Finance   *Mar 2014 – Jun 2017*
University of New South Wales (UNSW)

WORK EXPERIENCES

Data Analytics Intern   *July 2024 – Nov 2024*
Cancer Institute NSW
- Assessed strengths and weaknesses of an AI breast screen mammography reader compared to radiologists
- Applied statistical models in R to gain insights from the dataset
- Hands-on experience in handling huge dataset

Customer Service Agent   *Aug 2019 – Nov 2020*
Hamber Services Pty Ltd

- Monitored and analysed customer transactions data
- Worked as a team to facilitate customer queries
- Effectively replied to client emails and phone calls with excellent written and verbal skills
- Prepared operation performance report
- Coached new colleagues and provided feedback

Family Business Member   *Jan 2018 – Aug 2019*
LEDeco

- Launched official websites
- Analysed customers' online behaviour
- Participated online marketing courses held by Google about how to start a new business online and related marketing strategies
- Answered customer queries via email, Facebook, Instagram, and phone call

REFEREES

Eddie Chan (Senior Supervisor)   Phone Number: +61 404 238 773
Hamber Services Pty Ltd

Kenny Ching (Family Business Member)   Phone Number: +61 424 246 746
LEDeco