Yang Wang

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Education

University of Sheffield   **Sheffield, UK**
MSc Computer Science with Speech and Language Processing   *Oct 2020 - Sept 2021*

National Chung Hsing University   **Taichung, TW**
BSc Applied Mathematics   *Sept 2014 - June 2018*

Engineering Experience

VoiceBase Centre   **Sheffield, UK**
Research Intern   *May 2021 - Present*
- Performed speech separation task using neural networks with PyTorch, and used it as a module in the mini-framework environment.
- Conducted experiments in an organised and repeatable manner, with results that could be tracked back.

KKBOX Group   **Taipei, TW**
Software Quality Assurance Assistant Engineer   *Dec 2018 – Aug 2019*
- Constructed a polarity detection classifier for UtaPass music streaming app, and conducted a public workshop in the office about applications of sentiment analysis.
- Deployed a lyrics-based music genre classifier with Streamlit API to Heroku, using statistical and machine learning techniques.
- Created collaborative testing documentation using Atlanssian Confluence, Jira, and TestRail.

Technical Projects

Dissertation Project   *Sept 2020 - Present*
- Built a model which makes informed buy-and-sell decisions with respect to cryptocurrency trading by leveraging streaming news-feed data as well as pricing data to inform its prediction.
- Constructed a pipeline that combines trading techniques with the CSCV backtesting framework to fit a model successfully while avoiding overfitting.

Sheffield Startup Summer Project   *May 2021 - July 2021*
- Implemented Google browser extension to display a crowd sourced sustainability score for products.
- Designed a scoring system using the Laplace's rule of succession to reduce certain forms of inductive inference.

Cinnamon AI Bootcamp Project   *July 2020 – Aug 2020*
- Won 1st place with delivering strong final pitch in product launch against 3 teams.
- Contributed to an open-source asset allocation model called MoneyNet by integrating Black-Litterman portfolio model and BERT language model.

MWML Incubator Project   *June 2020 – Sept 2020*
- Organised a 4-person team as a team leader to deployed an NLP application to generate investment insight in the forex domain to AWS EC2.
- Designed a machine learning model pipeline to predicting buy-and-sell signal of forex by making use of trending topics from Twitter with a team from different countries.

Additional

- Relevant Coursework: Machine Learning and Adaptive Intelligence, Natural Language Processing, Text Processing, Mathematical Programming, Numerical Analysis, Game Theory, Stock Investment Simulation
- Programming Languages: Python, R, Git, HTML, CSS, Matlab, PureData
- Personal Website: https://penguinwang96825.github.io/Yang-Tech-Blog