Raflie Zainuddin

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Data Scientist / Data Engineer

Data Science + Web Projects Portfolio: ye-yu.github.io/portfolio

Skillset Summary

- Machine Learning using sklearn & Keras – Python programming
- MapReduce, Hadoop, Spark – Java Programming
- RDBMS, Querying SQL and MongoDB
- Visualisation using Tableau & d3.js
- Programming languages: Python, JavaScript, Java, C++, C
- Frameworks: Python Flask, JS Node.js, CSS Bootstrap
- Project Developments: Agile, Git, Github Actions

Recent Education

Bachelor of Computer Science (Hons) Majoring Data Science | Multimedia University, Malaysia
CGPA 3.92 (June, 2017 – *Anticipated Completion: June, 2020)*
Scholar of Yayasan Telekom Malaysia

Internship Experience

Data Engineering | MoneyLion Malaysia Sdn Bhd, KL | March – June 2018
- Programming ETL routine from **MongoDB** and other **SQL DB**s to **RedShift**
- Using Spark in **Java** and *spark-submit* to launch jobs and to extract 95% of GB-sized text files
- Configuring **spark** and **hadoop** in *nix system
- Designing web layout for internal program using **HTML + CSS**
- Using **Agile Project Management Framework** to complete 5 tickets every 2 weeks
- Scheduling tasks using **Airflow** and **cron**

Projects

[Data Science] June, 2019 – February, 2020 (github.com/ye-yu/cac-svs)
Extending Partial Singing Samples using Computer Assisted Composition and Singing Voice Synthesis
- To extract audio features from singing voice input + To generate singing voice to complete input
- Training of Seq2Seq **neural network model** for note generation from singing songs
- Extracting timbre from voice as attribute for synthesising singing voice

[Web App] June – November, 2017
Self-Service Food Ordering System
- Project Leader + Backend Programmer & System Analyst
- Integrating seat selection, takeaway selection, food selection, and billing into one system
- Plain PHP as backend, **MySQL** as DB, **JS** as frontend logic, and **Bootstrap** in frontend design

Communication

Full Proficiency: **English** (MUET Score: Awaiting Result), Bahasa Malaysia
Casual Speaking: Mandarin **Chinese**