Chin Fook Hee (Bryan)

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Linkedin 🔗   Github 🔗   My website 🌐   My IBM badges IBM

About me

- Key strength in **effective communication**, **data analysis** & **system improvement**.
- **Enthusiast** in programming languages and data management. **Constant learner**.
- Experience in **data analysis** and **data visualization** using python libraries such as Pandas, Numpy, Matplotlib, Seaborn and Scikit-learn.
- Familiar with machine learning algorithm such as **Regression, Decision tree, Random forest** and **classification**.
- Developed **machine indices dashboard** using Excel Power Query for machine failure early prediction.

Oct 2020 – present	**Self-Taught Data Scientist and Programmer**

  ➤ **Participated in Kaggle competition** (the world's largest community of data scientists), and finished at top 19% out of 7573 teams by building an XGBRegressor model with k-fold technique, Optuna framework and feature engineering and many more. (kindly refer linear regression and logistic regression for more details)

  ➤ **Web scraping projects**. From data collection, to data cleaning, to data analysis using beautiful soup4 and other useful python libraries. Please check web scraping for source code and analysis for listing analysis.

  ➤ **Website development** using ReactJS, html and css. Please check web design for source code and my web for full website.

  ➤ Successfully obtained **professional certificates** in Python and Data Science. Please check badges for IBM badges.

  ➤ **Certificate of completion** in Kaggle's courses (Intro to Machine Learning, Intermediate Machine Learning, Data Visualization, Data Cleaning and many more)

Mar 2020 – Oct 2020	**Working Holiday Maker in Melbourne, Australia**

Darebin Endoscopy (Receptionist)
  ➤ Experience in **patient consultant and assistance**.
  ➤ Data entry**, effective communication between patients and Doctor** in a prompt and courteous manner.

Oct 2015 – Mar 2020 (4.4 years)	**Engineer**

Hong Leong Yamaha Motor Sdn Bhd

Specialization	Engineering - Automotive
Role	Project Management, Data Analyst and Improvement
Position Level	Engineer

Responsibilities as Engineer and Data Analytics (Plastic System) - 2015 to 2020
  ➤ Experience in various **improvement projects** including automation system (Robotic painting), factory re-layout (to improve overall production flow design, and to minimize process cycle time) and early failure detection of machine.

- **Data analytics**: (I) Monthly production data analysis: To perform **data collection, data manipulation, data analysis and management presentation** to ensure department able to achieve monthly production's target, man power control and monthly budget segregation.

- **Data analytics**: (II) Machinery data analysis. Keep track machine's parameters. Built graphical dashboard for machine failure early-prediction.

- **Image processing and analysis**: Successfully developed Part counting project using visual camera and image processing algorithm. Data later used as useful features for monthly production data analysis.

- Others (**Communications coordinator role**):
  - 5S department team leader.
  - Environment Management system promotion team leader.
  - Company annual budget Debrief video making team leader,
  - Emcee of HLYM annual vendor award 2017.

Work Achievements through data analysis and project implementation

1. Oct' 2015 ~ Apr' 2016
   - Cost down project in motorcycle petrol consumption (during inspection). Successfully achieve target RM 27,465 saving per year of consumable cost (20% cost improvement).
   - Developed Electronic work instruction (EWI) training software system for operator's training and assessment.

2) Apr' 2016 ~ Mar'2020
   - Cost down project in solvent consumption, successfully achieve cost down target RM51,198 (38%) saving per annual.
   - Developed SCADA system for machine condition's analysis (early failure-prediction). Achieve inspection cost reduction RM30k per annual.
   - Automate solvent flushing system. Successfully reduce 50% of chemical exposure level, and achieve process cost reduction RM8.7k per annual.
   - Productivity study and analyse by converting manual process to robotic process. Succefully implemented resulting daily volume output increase in 5% and quality improve in 35%.

Skills and Qualifications

Language Proficiency:
- English   – ★★★★★
- Malay   – ★★★★★
- Chinese   – ★★★★★
- Cantonese   – ★★★★★

Programming Language:
- Python   - ★★★★☆
- SQL   - ★★★★☆
- ReactJS   - ★★★☆☆
- html, css   - ★★★☆☆
- Django   - ★★★☆☆

Education:
- Bachelor of Engineering (Electrical and Electronics) - First Class Honours University Putra Malaysia
- Certificate of completion on CS50x award from online course Cambridge, Massachusetts 2020
- IBM Data Science Professional Certificate
  1. *What is Data Science* (*IBM badge*)
  2. *Python for Data Science, AI & Development* (*IBM badge*)
  3. *Python Project for Data Science* (*IBM badge*)