

# Lim Kim Hoong

Data Analyst | Data Scientist

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## WORKING EXPERIENCE

OKX, Malaysia

Aug 2023 - Present

Senior Data Analyst

- Performed data cleaning, transformation, data quality check and exploratory data analysis in **Python** and **VBA**
- Enhanced the efficiency of process flow by **50%** by creating an automated workflow for web scraping, utilizing **Python** and **Selenium** for data collection

Bursa Malaysia Berhad, Malaysia

Dec 2020 – Aug 2023

Analyst, Reference Data Management

- Established legacy **VBA** procedures, constructing innovative data infrastructures that elevated data processing speeds and overall process efficiency by **50%**
- Crafted and refined over **3 Power BI** interactive dashboards to track crucial quality management metrics, achieving an **60%** improvement in real-time data processing, and monitoring daily
- Achieved a time reduction of **70%** in data verification for Bursa Trade Securities 2 (“BTS2”) Tech. Refresh (“TR”) project by utilizing **Python**

IBM Corporation, Malaysia

Oct 2019 – Dec 2019

Intern, Corporate Finance

- Performed data collection, transformation, cleaning, and exploratory data analysis in **Excel**

## PROJECT

Build a Machine Learning Web App with Streamlit and Python [\[Certificate\]](#) [\[Code\]](#)

Jan 2023

- Built a beautiful and interactive **web app** that generates classification algorithm and dashboard in displaying their results

Build a Chatbot to Analyze PDF Files using LLM [\[Certificate\]](#) [\[Code\]](#)

Aug 2023 – Oct 2023

- Built a complete local hosted **Chatbot**, connected to **OpenAI API** by utilizing **Flask**, **Langchain** and **HTML**

KPMG AU Data Analytics Job Simulation on Forage [\[Certificate\]](#)

Aug 2023 – Oct 2023

- Completed a simulation focused on advising a client on customer targeting with the Data, Analytics & Modelling team
- Assessed data quality and completeness, analyzed data to target high-value customers based on demographic and attributes and developed dashboards to communicate findings with visuals

Robotic Process Automation (RPA) for Reference Price Adjustment (RPA)

Apr 2023 – Aug 2023

- Automated **80%** of the current manual process by utilizing **UiPath** application for end-to-end Reference Price Adjustment (RPA)

Chinese Handwritten Digit Recognition using Machine [\[Paper\]](#) [\[Code\]](#)

Oct 2022 – Jan 2023

- Achieved an accuracy of **98.93%** with an average time of **44 seconds** per epoch for a self-designed architecture of Convolutional Neural Network (**CNN**) in recognizing 15,000 Chinese handwritten digits
- Submitted the paper to 11<sup>th</sup> ICOICT Conference 2023 under first author

M16 Touri-Scope Dashboard in R programming language [\[Website\]](#) [\[Code\]](#)

Mar 2022 – Jun 2022

- Provided a comprehensive overview of travel trends and patterns around the globe to Malaysia on pre and post pandemic, allowing for data-driven insights and strategic decisions to be made based on the highlighted patterns and key indicators

## EDUCATION

Universiti Malaya (UM), Malaysia

Mar 2022 – Jul 2023

Master of Data Science with Distinction, majoring in Computer Vision (CGPA: 3.98/4)

- Subject: Data Analytics, Machine Learning, Parallel and Distributed Computing, Numerical Optimization, Big Data Management

Universiti Tunku Abdul Rahman (UTAR), Malaysia

May 2017 – Oct 2020

Bachelor of Science (Honours) Financial Mathematics with Distinction (CGPA: 3.59/4)

- Subject: Operation Research, Financial Economics, Predictive Modelling, Time Series Analysis
- Recognition: President’s List (Oct 2018 & May 2019), Dean’s List (May 2018 & Jan 2019), Distinction in Soft Skills Development Certificate Program (USSDC)

## SKILL

Technical Skills

Machine Learning, Data Visualization, Data Analysis, Computer Vision (Tensorflow, SciKit-Learn, Plotly, Matplotlib, Pandas, Pytorch, Streamlit, Flask)

Programming Languages

Python, R, Microsoft SQL, HTML, CSS, JavaScript

Tools

Jupyter Notebook, R Studio, Spyder, Power BI, Tableau, Weka, SAS Enterprise Miner, Talend data preparation, AWS (S3, Glue, Amazon SageMaker), Apache Hadoop, Git

Certifications

Analyze Datasets and Train ML Models using AutoML, Build a Chatbot to Analyze PDF Files using LLM, Google Data Analytics, IBM Data Science Foundations, IBM Machine Learning with Python, IBM Data Visualization with Python, Asia Financial Markets Foundation Certificate, IBM Blockchain Essentials V2