

Herru Li
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IT SKILLS

Programming – Python (Pandas, Numpy, Tensorflow, Spacy, Scikit-Learn)
SQL (MS SQL, Oracle, Postgres)
MongoDB
Analytics Tools – Tableau, PowerBI, Neo4j
Cloud Tools – Azure, AWS
Other Tools – Git, Airflow, Dremio, Xceptor

EDUCATION

University of St. Andrews, United Kingdom Sep 2016 – Aug 2017
Masters of Computing and Information Technology
Focus: Machine Learning, Data Mining, Natural Language Processing, Big Data

Hong Kong Shue Yan University (HKSJU), Hong Kong Sep 2012 – May 2016
Bachelor of Economics and Finance
Major in Economics and Finance, Upper Second Honors (GPA: 3.05)

IELTS - 7.5 out of 9 May 2015

WORK EXPERIENCE

Manager, Anti-Monetary Laundering Department, Hong Kong Monetary Authority Aug 2021 – Present

- Engineered data architecture and solution architecture, including data management and structure design, process improvement on solution development, business intelligence integration and advanced analytics implementation
- Performed data inspection on banks' transaction monitoring system and identify anomaly patterns
- Led a team of 2 data scientists to produce a multi-dimensional AML risk model and make recommendations to users
- Supported multiple POCs using technologies such as Apache Airflow, Dremio, Xceptor
- Identified data analytic use cases to serve HKMA regulatory objectives by working with divisional users

Assistant Manager, Supervision of Markets, Securities and Futures Commission Jun 2018 – Aug 2021

- Designed machine learning models to capture suspicious stock trade transactions in over 10 million trade records
- Designed automated information extraction model with natural language processing using spaCy and scikit-learn in python to extract key information from listing companies' annual report
- Performed research and development to create prototypes of data analytic solutions, making use of appropriate platform and analytical tools and visualisations.
- Developed analytics pipeline, algorithm and data roadmap to monitor G-SIFI banks performance
- Communicated findings with internal users and prepare report to present workable solutions to both technical and non-technical stakeholders

Research Assistant, Sustainable Real Estate Research Centre, HKSJU Jul 2014 – Mar 2018

- Published academic journals using big data analysis for pattern classification
- Assisted professor in conducting real estate research by implementing machine learning

LANGUAGE

- Native Cantonese, Fluent English and Mandarin
- Competent in Chinese and English Writing