

## **SUMMARY**

- 3 years of experience as a data engineer/data scientist with impact in data-driven culture.
- Experienced in building data pipelines and machine learning models with financial data to improve computational efficiency, revenue growth, and customer experience.
- Skilled in collaborating with cross functional and regional teams to operationalize data science.
- Learning about financial markets and financial analysis.

## **EXPERIENCE**

### **Data Engineer, DBS Bank, Taiwan. Apr 2021 – Present.**

- Led the data pipeline migration from SAS to DBS Big Data Platform using Spark SQL. Accelerated requirement elicitation, technical implementation, and project delivery with 2x productivity as an individual contributor.
- Responsible for translating business requirements into technical requirements and liaising between Taiwan, Singapore, and India based team members, including business users, project managers, and developers.
- Reduced Spark job execution time by 60%. Built reusable business logics and reduced code duplication in data marts for daily marketing and reporting use cases. Managed data ingestion and data governance issues.
- Data team lead. Conducted data engineer interviews. Led new team members to working independently.
- IT English teaching assistant.

### **Data Scientist, Taishin International Bank, Taiwan. Jan 2019 – Apr 2021.**

- Developed speech-to-text analytics and machine learning applications for Contact Center and Consumer Banking Group. Achieved 5x conversion rate and 4x campaign revenue.
- Planned Big Data Platform and Artificial Intelligence projects involving Hadoop, Kafka, and Elasticsearch.
- Developed the first in-house MLOps with feature store and Contact Center call search engine using Python, Flask, and Docker as a full-stack developer.
- Developed SMS billing and business analytics dashboards using PowerBI with cross business units.
- Lead author of global award-winning papers on Digital Transformation projects (The Banker Tech Projects of the Year Award, Retail Banker International Asia Trailblazer Award, The Asian Banker International Excellence in Retail Financial Services Award).

## **EDUCATION**

### **MRes. Computational Statistics and Machine Learning, Distinction. Sep 2015 – Sep 2016.**

Department of Computer Science, University College London (UK)

- Areas of Research: Proxemic Interaction
- Publication: EagleSense: Tracking People and Devices in Interactive Spaces using Real-Time Top-View Depth-Sensing.

### **BSc. Computer Science, First-Class Honours. Sep 2011 – Jun 2015.**

School of Computer Science, University of St Andrews (UK)

- Areas of Research: Human-Computer Interaction
- Publication: Out of Sight: A Toolkit for Tracking Occluded Human Joint Positions.

### **PhD. Student in Human-Computer Interaction. Jan 2018 – Aug 2018.**

School of Computing and Communications, Lancaster University (UK)

- Areas of Research: Cross-Device Computing, Accessibility
- Publication: Cross-Device Taxonomy: Survey, Opportunities and Challenges of Interactions Spanning Across Multiple Devices.