

SUMMARY

- 3 years of experience as a data engineer at DBS Bank and a data scientist at Taishin Bank.
- Experienced in building data pipelines and machine learning models with financial data to improve computational efficiency, revenue growth, and customer experience.
- Skilled in operationalizing data science with Python and SQL with cross functional and regional teams. 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.
- Responsible for translating critical 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 simplified and reusable business logics in operation reports and marketing campaigns.
- Taiwan data function team lead. Assisted data engineer technical interviews.
- Created IT English learning materials.

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 with Hadoop, Kafka, and Elasticsearch.
- Developed the first iterations of 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.