

CHI-JUI WU 吳啟瑞

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SUMMARY

- 3 years of experience as a data engineer/data scientist with impact in data-driven agile 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.

EXPERIENCE

Data Engineer (CBG Customer Management and Analytics), 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 for 30+ developers and subject matter experts.

Data Scientist (Business Intelligence), 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. Enabled daily marketing and management use cases.
- Developed SMS billing and business analytics dashboards using PowerBI to improve cross business units' operational efficiency.
- Lead author of global award-winning papers on Digital Transformation projects (Received 3 awards: 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.

- Area 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.

- Area 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.