**LI JIANHUANG**

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With a background in robotics and optimization engineering, I bring a unique blend of technical expertise and analytical skills to data science in banking. My experience spans data acquisition, data modeling, and statistical analysis, honed through projects involving machine learning and process optimization. I enjoyed tackling complex, data-driven challenges and am motivated to leverage my expertise in data science role within banking, where I can apply my problem-solving abilities to drive valuable insights and support decision-making across financial services.

**EMPLOYMENT HISTORY**

**United Overseas Bank, Singapore**

*TFIP AI/ML Data Scientist Trainee (Contract) | Feb 2023 - Present*

● Deployed clustering models to segment customers based on spending and behavioral patterns, enabling precise targeting and tailored offerings.

● Developed Streamlit dashboard to deliver data-driven insights into customer profiles, supporting targeted engagement and personalized service strategies.

● Integrated LLM to generate higher level view for customer summaries.

**Micron Technology, Singapore**

*Process Integration Engineer (Full Time) | July 2022 - Oct 2023*

● Conducted data analysis to identify trends through statistical technique (DOE, A/B Testing, clustering, regressions) to optimize processes, and enhance yield.

● Partnered with cross-functional teams to address semiconductor manufacturing challenges using statistical and quantitative analysis.

● Delivered data-driven insights to stakeholders.

**Nanyang Technological University, Singapore**

*Research Assistant (Full Time) | Jun 2021 - July 2022*

● Developed fully autonomous mobile robots equipped with path planning, localization, mapping, and detection modules using Python and C++.

● Deployed computer vision algorithms for obstacle detection, path planning, and environmental awareness, enabling robust navigation in complex settings.

**EDUCATION**

**Georgia Institute of Technology, Atlanta, US (Part-Time, Remote)**

*Master of Science in Analytics (Data Science). May 2024 - Present (Thirty percent completed.)*

Course taken: Intro to Analytics Modeling, Computing for Data Analytics, Business Fundamentals for Analytics

**Nanyang Technological University, Singapore**

*Bachelor of Mechanical Engineering (Distinction)*

● Dean’s List for academic year 19/20.

● NTU Muaythai Club President & Varsity Athlete (2020-2021)

**TECHNICAL SKILLS**

Python, R, C++, SQL, SAS, Git, Linux

**PROFESSIONAL CERTIFICATES**

*●Neural Networks and Deep Learning - DeepLearning.AI | Jun 2024*

*● Machine Learning and Artificial Intelligence, Rise 2.0 - Boston Consulting Group | Feb 2024 - May 2024*

Classroom training for Python, SQL, Machine Learning, and various Neural Network Models such as convolutional neural networks.

*●Supervised Machine Learning: Regression and Classification - DeepLearning.AI, Stanford University | Jan 2024*

**RESEARCH PUBLICATIONS**

● C Xu, Z Yang, Wk Tan, **J Li**, GZ Lum, “Magnetic miniature actuators with six-DOF multimodal soft-bodied locomotion” (2022) Advanced Intelligent Systems.

● Wenhui Huang, Yanxin Zhou, Jianhuang Li, Lv Chen “Potential Hazard-Aware Adaptive Shared Control for Human-Robot Cooperative Driving under Unstructured Environment” (2023) 17th International Conference on Control, Automation, Robotics and Vision (ICARCV)