Lin Jacky
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EDUCATION

NANYANG TECHNOLOGICAL UNIVERSITY   Singapore, Singapore
Bachelor of Science in Data Science and Artificial Intelligence   August 2020 – May 2024
- Expected completion: May 2024. (2nd Class (Upper) Honours)
- Pursuing a Minor in Business.
- Relevant Coursework: Introduction to Data Science, Neural Network & Deep Learning, Computer Vision, Natural Language Processing (NLP), Machine Learning, Artificial Intelligence, Data Analytics & Mining, Data Structures & Algorithms, Algorithm Design & Analysis, Object Oriented Design & Programming (OOP), Software Engineering, Introduction to Databases, Calculus, Statistics, Discrete Mathematics, Linear Algebra.

SOUTH SAN FRANCISCO HIGH SCHOOL   San Francisco, CA
High School Diploma   January 2016 – May 2017
- Graduated with Honours. CGPA: 4.0/4.0
- Volunteered at San Francisco-Marin Food Bank. Collaborated with a team of volunteers to manage the warehouse operations such as the sorting and packaging of food items.

EXPERIENCE

ADVANCED MICRO DEVICES (AMD)   Singapore, Singapore
Data Science Intern   January 2023 – July 2023
- Spearheaded a Proof of Concept in predictive modelling, employing scikit-learn's machine learning models for predictive tasks. Overcame data scarcity challenges through various data wrangling and feature engineering techniques. Employed a hybrid approach that combined simulation with machine learning to optimise model performance and accuracy.
- Explored MLOps within the context of Databricks and GitHub actions, resulting in a streamlined model deployment process. Employed MLflow, AutoML, and model experiments to facilitate automated training, comparison, and accuracy evaluation.
- Collaborated on an in-house web application that utilises Node.js for the frontend and Swagger.io for the backend. Contributed by introducing custom features that elevates the platform's data visualisation capabilities.
- Introduced additional functionality to the Streamlit application, allowing for additional data filtering, which dynamically influences visualisations by modifying the data extracted from Snowflake.

GOVERNMENT TECHNOLOGY AGENCY (GOVTECH)   Singapore, Singapore
AI Engineer / Engagement Management Intern   May 2022 – July 2022
- Created data visualisation charts in Excel and Tableau for business analytics use, providing insights on current use cases and allowing the team to identify and target potential clients.
- Spearheaded the trial sessions for an AI product that will be onboarded into our system, targeting potential clients that might be interested in it.
- Designed POC for clients' use cases and benchmarked alternative products to determine their effectiveness.
- Participated in pre-sales activities, including scoping, discovery, and product demonstrations.

AIMAZING   Singapore, Singapore
Data Operations Intern   May 2021 – July 2021
- Successfully implemented data cleaning techniques using Python and regular expressions to improve the integrity of the backend data.
- Utilised a combination of Python, SQL, and API integration to efficiently automate multiple pipelines, resulting in a significant increase in workflow productivity, saving hours of time.
- Broadcasted marketing campaigns automatically with Python and Selenium, improving AImazing's cashback system, a core service of the company.

LEADERSHIP & ACTIVITIES

IEEE CLUB   Singapore, Singapore
Tech Director   August 2021 – May 2022
- Organised technical workshops and the iNTUition hackathon, which was one of the largest student-run hackathons in Southeast Asia.
- Led a team of 16 technology officers, who expertly organised multiple workshops and implemented a range of impactful projects.
- Coordinated with the business team to engage with external tech companies.

TRACK & FIELD, HALL OF RESIDENCE 14   Singapore, Singapore
Captain   August 2020 – May 2021
● Served as the captain of the track and field team and hosted weekly resilience training.

SINGAPORE ARMED FORCES   Singapore, Singapore
Artillery Officer   August 2017 – August 2019
● Led and inspired a team of soldiers to complete challenging missions.
● Collaborated effectively with co-workers and external units to develop and execute lesson plans and activities.
● Coordinated and organised the responsibilities of my unit, resulting in a more efficient workflow.

SKILLS

Languages: English, Mandarin, Cantonese.
Programming Languages: Python (Scikit-Learn, PyTorch, TensorFlow, NumPy, Pandas, Matplotlib, Seaborn), SQL (PostgreSQL), R, HTML, CSS, JavaScript, MATLAB, Java, C, C++.
Tools: Microsoft Office (Word, Excel, PowerPoint), Visual Studio Code, Tableau.
Frameworks/Others: Data Science Pipeline (Cleansing, Wrangling, Visualisation, Modelling, Interpretation), Machine Learning, Bootstrap, Git.
Soft Skills: Self-motivation, Detail-oriented, Leadership, Communication, Problem-solving.