LIM JING JIE

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EDUCATION

Nanyang Technological University, Singapore — Aug 2022 – Present
Bachelor of Science in Data Science and Artificial Intelligence
- Expected Honours (Distinction), Current CGPA: 4.35/5.00
- Relevant Courses: Data Structures & Algorithms, Software Engineering, Object-oriented Design & Programming, Introduction to Data Science and Artificial Intelligence, Algorithm Design and Analysis

PROJECTS

Power BI Electric Vehicle Population Analysis — July 2024 – Aug 2024
- Developed an interactive Power BI dashboard to analyse electric vehicle (EV) population trends, covering key aspects like model year distribution, geographical spread, vehicle make, and Clean Air Vehicle (CAFV) eligibility.
- Visualized data insights to highlight EV adoption trends and growth patterns from 2010 onwards, enabling stakeholders to understand market dynamics and the impact of incentives on EV adoption.

Image Classifier - A simple image classifier implemented using TensorFlow/Keras — Dec 2023 – Jan 2024
- The model is built using Convolutional Neural Networks (CNNs), a type of deep learning model commonly used for image classification tasks.
- The model architecture consists of several Conv2D layers followed by MaxPooling2D layers to extract relevant features from input images.
- Use the trained model to make predictions on new images of faces to determine whether they are happy or sad

Job Ninja – A go-to mobile application for a seamless and efficient job searching — Nov 2023 – Dec 2023
- Developed a mobile job search application using React Native and Expo, enhancing accessibility and user experience across multiple platforms.
- Integrated Rapid API to access real-time job data, providing users with up-to-date job listings and improving the app's functionality.
- Utilized React Native's component-based architecture to create reusable UI elements, optimizing code maintainability and scalability.

VI Fitness – A web application to automate workout plan and track calories intake — Aug 2023 – Nov 2023
- Developed a comprehensive platform designed to automate generation of personalized workout plans and facilitate tracking of daily calories intake
- Designed and managed database infrastructure, optimizing data storage and retrieval for seamless user experiences and data accuracy
- Utilized a technology stack including React JS, Node.js, Express.js, MongoDB.

INTERNSHIP EXPERIENCE

Micron Technology, Inc. | Singapore — May 2024 – Aug 2024
Data Science Intern
- Utilised Python, Pandas and XGBoost for data analysis and model development to optimize wafer classification.
- Achieved significant Test Time Reduction while maintaining high accuracy.
- Enhanced production efficiency and reduced testing costs and time by streamlining the wafer testing processes.

National Institute of Education | Singapore — Nov 2023 – Aug 2024
Software Engineer, Intern
- Spearheaded the development of an emotion analytics software system.
- Integrated data visualization techniques to showcase emotion analytics through interactive charts and graphs.
- Collaborated with cross-functional teams to ensure seamless integration and functionality within educational technology platforms.

S-Lab for Advanced Intelligence | NTU, Singapore — Oct 2023 – Mar 2024
Project Assitant, Intern
- Exploring and mastering Image AWB (Auto White Balance) techniques to enhance image processing capabilities and expand knowledge in the field of computer vision.
- Leveraging my expertise in Jupyter Notebook to transcribe and adapt machine learning algorithms, code snippets, and research findings, preparing AI learning materials for a broader audience.

WORK EXPERIENCES

Development & Data Analysis for LLM-based Chatbot Research Project | NTU, Singapore   May 2024 – Aug 2024
Data Analyst
- Analysed user survey responses to extract valuable insights for improving chatbot performance.
- Utilized t-SNE clustering technique to group user comments, enabling more effective data interpretation and visualization.

DCO Deception Detection | NTU, Singapore   Aug 2023 – Oct 2023
Data Annotator
- Annotated and labelled data sets to train machine learning models for lie detection
- Contributed to development and improvement of lie detection algorithms through data annotation

Self-employed tutor   Sept 2019 – Present
- Developed personalized lesson plans tailored to each student's strengths and weaknesses
- Specialized in test preparation for UK Cambridge IGCSE Additional Math, Chemistry and Physics.

CO-CURRICULAR ACTIVITIES

Rotaract Club, NTU, Singapore   Aug 2023 – Jul 2024
Director of Publicity and Publications
- Managed and curated content across multiple social media platforms, maintaining an active and engaging online presence.

Sub-committee of Community Service   Aug 2022 – May 2023
- Volunteered actively in Community Service team of NTU Rotaract Club, supporting and executing impactful service projects such as visiting the elderlies in Active Aging Centre.

Malaysian Student Association | NTU, Singapore   Sept 2022 – Jul 2024
Hall Coordinator & Group Leader
- Coordinated orientation activities for over 100 Malaysian students, ensuring a smooth transition into campus life.

SKILLS

Languages: Proficient in English and Chinese

Programming Languages: Python, Java, C/C++, HTML/CSS/Javascript, SQL, TypeScript

Tech Stack: Django, React Native, Node.js, MongoDB, SQLite, Plotly, Pandas, Github, Express.js, Angular, PowerBI

Online courses certifications: Google Advanced Data Analytics Certificate *by Google*, Meta Data Analyst Specialization *by Meta*, Introduction to HTML,CSS3, Javascript *by University of Michigan,* SQL for Data Science *by University of California, Davis,* Introduction to Software Engineering *by IBM*

ACHIEVEMENT

ASEAN UNDERGRADUATE SCHOLAR | NTU, Singapore   Aug 2022 – Present
- Awarded prestigious scholarship at NTU, Singapore, based on academic excellence and leadership potential.