Name: Wang Sishi   Email address: WANG1575@e.ntu.edu.sg

Education:

Nanyang Technological University   2020 - Present
Bachelor of Business (business analytics) and Computing, **Double Degree**

Hwa Chong Institution   2018-19
GCE A Level Cert   2020 obtained

Work Experience:

Zuellig Pharma, Associate Specialist, Data Analyst (Part-Time)   Aug-Dec 2022
Data Analyst Intern   May-Aug 2022
Automated insights generation process for monthly client reports using python. Generated ad-hoc data processing scripts, tableau dashboards, and derived insights.

- Developed point system and ranking system to generate reports with critical insights for client meetings
- Incorporated tabcmd to automate tableau processes for enhanced efficiency
- Created web scraping scripts to harvest data from websites

SPIRIT centre NTU, Data Analytics Intern   June-Aug 2021
Conducted analytical studies on malware and deployed machine learning models to classify IoT botnet attacks. Worked with senior researchers to carry out literature studies.

- Performed data cleaning and expository analysis on IoT malware datasets using Jupyter notebook and SQL to derive insights
- Being involved in literature research on malware and honeypot analysis, IoT malware classification, host based code injection, cyber kill chain, and diamond model

Projects:

Fitness App Development
Developed a mobile responsive application on Android Studio   Jan-May 2022

- Key features include nearby eateries, calendar tracker, content feed, reward system, friend management, profile, rate and review, google map API call

Attrition Prediction
Predicted employee attrition rates using machine learning models   Jan-May 2022

- Applied random forest, logistic regression, sentiment analysis, association rules , and neural network with evaluation

Movie Revenue Prediction
Predicted movie revenue based on input attributes such as runtime and determined the most robust model.

- Performed data extraction, data cleaning, exploratory analysis using Jupyter Notebook
- Applied linear regression, Catboost and Neural Network regression with evaluations

Vaccination Database Analytical Study   Aug-Nov 2021
Manipulated Covid19 vaccination data to derive insights and provided recommendations to stakeholder.

- Performed queries using SQL and MongoDB to clean data, modify column data type, join tables and retrieve relevant data from tables
- Demonstrated relational and non-relational database designs

Restaurant Reservation APP   Aug-Nov 2021

Developed a Restaurant APP with functions of food ordering, reservation making and bill checking using SOLID principles with Java.
- Incorporated software design patterns such as ECB and singleton pattern
- Created class diagram, UML diagram and Java Documents

Certificate:

Google Data Analytics Professional Certificate   Dec 2021
Learned professional skills of data manipulation using SQL, creating reporting dashboards, presenting analysis results through data visualisation and building analytical solutions.

Skills:

Programming Languages: Python, React, Java Script, Java, R, SQL
Tools: Visual Studio Code, Jupyter Notebook , Spyder, Tableau, MySQL, MongoDB, Excel
Knowledge: Data Analytics, Software engineering
Courses: HackerRank SQL (Intermediate) Certificate

Awards & Accomplishments:

JP Morgan Code for Good 2022 Finalist   Oct 2022
1st Runner-up, developed a web/mobile responsive gamified application consisting exploratory trail, reward system, quizzes and heritage videos tailored to student user's preferences

NBS BAC x Deloitte Business Analytics Hackathon   Feb 2022
2nd Runner Up out of 32 contestants, developed python scripts, risk profiles and dashboard for fraud detection

Hwa Chong diploma (Distinction)
Initialised Project Blossom and obtained Merit Award in Youth for Causes Challenge   2018
launched by Citi YMCA

CCA Activities:

Institution of Engineering and Technology (IET) (Logistics)   2021-2022
Business Analytics Club (External relations sub-committee)   2020
Art Club (Publicity IC)   2017-18