

RICHMOND SIN JING XUAN

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EDUCATION

National University of Singapore Bachelor of Science (Hons)

Aug 2021 - May 2024

- Major in Data Science & Analytics (Specialisation in Statistical Methodology)
- 2nd Minor in Artificial Intelligence

SKILLS

- Programming Language: ReactJS, NodeJS, Java, HTML, CSS, SQL, Python, R
- Data Analysis Techniques: Multiple Regression, Logistic Regression and Data Visualization
- Data Science Techniques: Machine Learning Algorithms, Classification & Regression Models and Deep Learning

EXPERIENCE

Skin Research Institute of Singapore (SRIS), Research Analyst

May 2023 - Present

- Proficient in using Python for data analysis, including data cleaning and manipulation with libraries such as NumPy and Pandas
- Skilled in creating data visualizations using the Matplotlib and Seaborn libraries in Python
- Experienced in applying statistical analysis techniques such as regression analysis and hypothesis testing to draw insights from data

Agency for Science, Technology and Research (A*STAR), Machine Learning Intern

May 2023 - Present

- Contributed to the Wound Healing Prediction with Machine Learning project as part of a joint attachment with A*STAR and SRIS
- Developed predictive models using machine learning algorithms such as kNN, logistic regression, Naive Bayes, Random Forest, XGboost, Gradient Boosting, and LightGBM
- Utilized Python libraries including scikit-learn, Keras, and TensorFlow for model development and training

Economics Development Board Investment (EDBI), Data Analyst and Corporate Planning Intern

Nov 2022 - Feb 2023

- Developed and maintained KPI reports to track progress against specific EDBI goals
- Conducted trend analysis to identify potential areas of growth for EDBI and provided insights and recommendations to senior management based on data analysis
- Researched and analysed data to implement data-driven solutions to support corporate planning initiatives with data visualisation

NUS AI In Healthcare Datathon, Contestant

Dec 2022 - Dec 2022

- Created statistical analysis using R and Python to find the optimal temperature range for ICU patients
- Analysed using the Generalized Additive Model (GAM) to pinpoint optimal range

- Created a predictive model to forecast inpatient length of stay using machine learning techniques

LEADERSHIP EXPERIENCE

42nd Science Club Management Committee, President Sep 2021 - Sep 2022

- Planned and led a total of 54 faculty-wide events with 183 subcommittee members to enhance student life in NUS Faculty of Science
- Represented Science students in the NUS Student Union meeting with all faculty Presidents in NUS to enact NUS-wide initiatives such as implementing P-Card for large transactions to improve constituent club financial processes
- Planned and organized club meetings and discussions to improve student life in Faculty of Science

AWARDS

- NUS Student Life Award for Leadership Excellence (Distinction), 2022
- National Young Leaders Award (Merit), 2019
- Anderson Junior College's Valedictorian, 2018