Chan Qian Hui

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EDUCATION

National University of Singapore (NUS)   **Aug 2018 – May 2022**
Bachelor of Science in Business Analytics
- Orientation Group Leader for Computing Freshmen Camp 2019

TECHNICAL SKILLS

- Programming Language: Python, Java, JavaScript, R
- Data Visualisation Software: Tableau, NEO4j and mySQL
- Web Development Skills: HTML, CSS, Bootstrap, MaterialUI, VueJs, ReactJs
- Machine Learning and Natural Language Processing skills
- Big Data Technologies: Hadoop, Apache Spark

WORK EXPERIENCE

Ministry of Home Affairs, Data Scientist Intern, Singapore   **Jan 2021 – Jul 2021**
- Collaborated in a team of 4 to build a full stack Natural Language Processing Platform hosted and managed on OpenShift to be adopted by intelligence agencies.
- Pioneered fake news classification models for various social media platforms utilising state of the art deep learning technologies such as BERT, RoBERTa and Attention Network with high level of accuracy.
- Developed and designed the React web application to display results of the models and other visualisations such as sentiment and text summary which was well received by the users.
- Created multiple Dashboards using Tableau to visualise important information as Proof of Concepts for the department, which was praised by the director.

PROJECTS

Ministry of Home Affairs, Interactive Dashboard For Recruitment   **Aug 2020 – Sep 2020**
- Revamped the process of generating hard copy reports by using Tableau to construct an interactive dashboard which helps recruiters to break down information to improve efficiency and experience.
- Initiated and developed a predictive model using machine learning techniques to predict the outcome of the recruitment as a proof of concept which was lauded by the chief psychologist.

National University of Singapore (NUS), TextCruncher   **Jan 2020 – May 2020**
- Collaborated in a team and developed a full stack application using firebase, vuejs and flask to create a website for web scraping and a live dashboard for data visualization, increasing the efficiency for researchers when doing research.

ADDITIONAL INFORMATION

- **Languages:** English, Mandarin, Bahasa Indonesia (basic)