Nicholas **WAN**

DATA SCIENTIST · BUSINESS ANALYTICS MAJOR

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Education

National University of Singapore   *Singapore*

HONOURS IN BUSINESS ANALYTICS   *Aug. 2017 - Present*

• NUS Merit Scholarship
• Cumulative Average Point: 4.66/ 5.00
• Expected Date of Graduation: Dec 2020 (3.5 Years)

Skills

Programming Python · R · HTML/CSS · Java · Javascript
Database MySQL · MongoDB
Frameworks VueJS · MeteorJS
CI Git
Multimedia Adobe Photoshop · Adobe Premier Pro · Adobe After Effects · Adobe Audition

Internship

The League   *San Francisco*

DATA SCIENTIST   *Aug 2019 – Jul 2020*

• Created and productionized a Machine Learning model to predict catfishers and bad users leading to the customer support team saving 30% of time reviewing profiles and improving the trust and safety in the community.
• Set up an alert system for over 20 key company metrics such as Revenue, DAUs, Churn, using Periscope / Sisense to notify stakeholders through Slack.
• Performed Statistical modelling through regression models such as Diff in Diff, IV Regression, Fixed Effect models to advise product decisions.
• Conducted AB Testing experiments with power analysis and statistical significance tests to inform product decisions.
• Experience with creating, scheduling, monitoring and debugging jobs using Airflow.

National University Hospital   *Singapore*

DATA SCIENTIST   *Dec. 2018 – Jun 2019*

• Created a model for predicting patient readmission within a 30 day period, using Natural Language Processing and Neural Networks, and Random Forests.
• Worked on generating a realistic synthetic dataset to be released to the public and used in Hackathons.
• Automated the process of extracting information from Free-Text form for Gastro-Translational Research.

Guco Consulting   *Singapore*

WEB DEVELOPER   *May. 2018 - Jun. 2018*

• Created websites for four different companies.
• Worked with a team of interns to develop marketing strategies.

Project

StreetCredit   bit.ly/streetcredit
• Conceptualized and prototyped a solution that allows crowdfunded micro-loans for students.
• Won 1st Place in Financial Inclusion Hackathon organized in San Francisco.

Hack4Climate   bit.ly/yale-blizzard
• Created a website to show how different stakeholders (Country / City / Industries) are affecting the environment, using Data Visualisations with Plotly.
• Won 1st place in YaleNUS Hackathon in the Data Science Category, Hack4Climate.

Data Analysis on Induced Abortions
• Worked with a medical student and National University Hospital to analyse their data on induced abortions.
• Found correlation of categorical and numerical features using Dython's Correlation Ratio.

Algorithm for Forex Trading   bit.ly/algo-forextrade
• Used Keras' LSTM to implement a trading model that was slightly profitable.
• Used the values various technical indicators for volume, momentum, trend, and volatility as features for the model.