

Nicholas WAN

DATA SCIENTIST · BUSINESS ANALYTICS MAJOR



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<http://www.nicwan.me/>



98510403



<https://github.com/nicholas-wan>

Education

National University of Singapore

Singapore

Bachelor of Science in BUSINESS ANALYTICS (Hons)

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 Spark · VueJS · MeteorJS

CI Git

Multimedia Adobe Photoshop · Adobe Premier Pro · Adobe After Effects · Adobe Audition

Experience

Shopee

Singapore

Data Scientist

Apr 2020 – Present

- Trained NLP models to perform multiclass classification on product titles and descriptions to predict product attributes.
- Implemented NLP on multiple languages including English, Chinese, Thai, Indonesian and Vietnamese.
- Maintained pipeline of obtaining prediction samples for other departments to review.

The League

San Francisco

Data Scientist

Aug 2019 – Apr 2020

- Implemented Machine Learning models detecting suspicious users saving customer support team up to 30% of time reviewing profiles, improving trust and safety among users.
- Set up an alert system for over 20 key company metrics such as Revenue, DAUs, Churn through 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.
- Engaged in creating, scheduling, monitoring and debugging jobs using Airflow.

National University Hospital

Singapore

Data Scientist

Dec 2018 – Jun 2019

- Predicted patient readmission within a 30 day period with NLP, Neural Networks and Random Forests.
- Generated a realistic synthetic dataset to be released for public use and for a NUH Hackathon.
- Automated process of extracting information from Free-Text form for Gastro-Translational Research.

Project

StreetCredit

bit.ly/streetcredit

- Conceptualized and prototyped a solution allowing crowdfunded micro-loans for students.
- Won 1st Place in Financial Inclusion Hackathon organized in San Francisco.

Hack4Climate

bit.ly/blizzard-yale

- Created a website to show how environmental impact of different stakeholders (Country / City / Industries) through Data Visualisations with Plotly.
- Won 1st place in YaleNUS Hackathon in the Data Science Category, [Hack4Climate](https://bit.ly/blizzard-yale).

Algorithm for Forex Trading

bit.ly/algo-forextrade

- Built a slightly profitable trading model based on Keras' LSTM.
- Incorporated technical indicators for volume, momentum, trend, and volatility as model features.