

# Nicholas WAN

DATA SCIENTIST · BUSINESS ANALYTICS MAJOR



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[www.nicholaswan.me](http://www.nicholaswan.me)



live:nicholaswan



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

## About Me

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**Programming** Python · Java

**Analytics** R · SQL · Tableau

**Web** HTML / CSS / JavaScript · VueJS · MeteorJS

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

## Internship

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### National University Hospital

Singapore

DATA SCIENTIST

Dec. 2018 - Present

- 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.

### Admore Living

Singapore

WEB DEVELOPER

Aug. 2018 - Nov. 2018

- Created a website to market luxury high-end furniture
- [www.admoreliving.com](http://www.admoreliving.com)

### Bags by Samarkyra

Singapore

WEB DEVELOPER

Jul. 2018 - Sep. 2018

- Created a website to market uniquely designed handmade bags.
- [www.bagsbysamarkyra.com](http://www.bagsbysamarkyra.com)

### 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

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### Hack4Climate

[bit.ly/ynclizzard](https://bit.ly/ynclizzard)

- Created a website to show how different stakeholders (Country / City / Industries) are affecting the environment, using Data Visualisations with Plotly.

### Data Analysis on Induced Abortions

- Worked with a medical student and National University Hospital to analyse their data on induced abortions.
- Found correlation of features using Dython's [Correlation Ratio](#).

### Algorithm for Forex Trading

[bit.ly/algoforextrade](https://bit.ly/algoforextrade)

- Used Keras' LSTM to implement a trading model.
- Used the values various technical indicators for volume, momentum, trend, and volatility as features for the model.

### Modules+

[www.modulesplus.me](http://www.modulesplus.me)

- Created a web application using VueJS that aims to improve the timetable planning that students from the National University of Singapore currently use.

## Education

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### National University of Singapore

Singapore

HONOURS IN BUSINESS ANALYTICS

Aug. 2017 - Present

- NUS Merit Scholarship
- Cumulative Average Point: 4.64 / 5.00
- Expected Date of Graduation: Dec 2020 (3.5 Years)