

# Aditya Kelvianto Sidharta

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## Education

### National University of Singapore

08/2014 – 05/2018

Bachelor of Science, Honours (Highest Distinction)

- Major in Statistics, Minor in Economics (CAP: 4.60/5.00)
- Awarded best final year project within the Statistics Department for academic year 2017/2018

## Work Experience

### Data Scientist

08/2018 – Present

uCare.AI, Singapore

- Developed several machine learning models (Gradient Boosted Decision Trees, Neural Network) for various healthcare data products: healthcare cost prediction, patient readmission prediction, fraud detection, doctor recommendation, and food ingredients' prediction.
- Built patient and disease profiles using health data across different hospitals and insurance companies
- Developed internal Data Science tooling and APIs to improve productivity in Data Science projects

### Data Scientist

06/2018 – 07/2018

Teralytics, Singapore

- Developed Particle Filter algorithm to track pedestrian walking trips around Hong Kong MTR stations
- Wrote a software patent for detecting massive-scale public transportation journeys using cellular data

### Data Science Intern

05/2017 – 05/2018

Teralytics, Singapore

- Developed several algorithms (SGD, Markov Chain Monte Carlo, Sequential Monte Carlo, Viterbi Decoding) to perform detection & movement tracking for MRT passengers, written in Python and Spark
- Improved the batch data processing pipeline for processing large-scale cellular data to produce commuter analysis on the public transport network in Singapore

### Sales Operation Intern

05/2016 – 07/2016

Ecolab, Institutional Division, Singapore

- Spearheaded sales split automation project for all Ecolab commissaries across 6 countries and established an automated system for 135 Commissaries, 7000 outlets, with total sales more than \$1,500,000
- Developed geocoding software which significantly optimized Territory management process to be 20x faster compared to the manual process, written in Python and ArcGIS

### Business Analytics Intern

06/2015 – 07/2015

Bank Central Asia, Customer Business Analytics Division, Indonesia

- Involved in Risk Scoring Project for all Bank Central Asia credit consumers in Indonesia.
- Performed clustering analysis for market segmentation, written in SPSS and SQL

## Awards and Achievements

National Data Science Challenge (Advanced Category) - Most Creative Team, Shopee

2019

Lijen Industrial Development Medal, National University of Singapore

2018

ASEAN Scholar, Ministry of Education Singapore

2009 – 2013

Principal's Honour Roll, Catholic Junior College

2012 – 2013

## Voluntary Experience

### Volunteer

08/2016 – 12/2016

Kukoh+

- Conducted fun weekly session for underprivileged children in Jalan Kukoh, focusing on education, character development, and individual empowerment

## Additional Skills and Others

**Language:** English, Bahasa Indonesia, and Malay

**Computing:** Python, R, SQL, SPSS, and Tableau

**Toolkit:** PyTorch, TensorFlow, Scikit-learn, LightGBM, XGBoost, Pandas, PySpark, Numpy, Matplotlib, Plotly