

# Aditya Kelvianto Sidharta

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## Education

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### National University of Singapore 08/2014 – 05/2018

Major in Statistics (Specialization in Data Science), Minor in Economics

- Expected date of graduation: May 2018.
- Cumulative GPA: 4.52/5.00 (First-Class Honors)

### University of Texas at Austin 01/2017 – 05/2017

- Participated in NUS Student Exchange Program in Spring 2017.

## Certification

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**Deep Learning Specializations**, deeplearning.ai, Coursera 2017

**Specialization in Analytics Techniques for Business**, Duke University, Coursera 2016

**Machine Learning**, Stanford University, Coursera 2016

## Awards and Achievements

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**ASEAN Scholar**, Ministry of Education Singapore 2009 - 2013

**Principal's Honour Roll**, Catholic Junior College 2012 - 2013

## Work Experience

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### Data Science Intern 05/2017 – Present

Teralytics Singapore

- Worked with the Data Science team for LTA's commuter analytics project.
- Developed Particle Filter and Viterbi Algorithm for multiple target movement tracking of MRT passengers based on users' telecommunication activities, written in Python and Spark.
- Represented Singapore Office to present in TeraTech about the method for cell coverage probability.
- Improved the current likelihood model for cell coverage by developing new features from the raw data.

### Sales Operation Intern 05/2016 – 07/2016

Ecolab Singapore, Institutional Division - South East Asia & India

- Spearheaded sales split automation project for all Ecolab commissaries across 6 countries, establishing automated system for 135 Commissaries, 7000 outlets, with total sales more than \$1,500,000.
- Developed geocoding software from scratch which significantly optimized Territory management process to be 20x faster compared to manual process, using Python and ARCGIS.
- Assisted Ecolab South Korea by single-handedly generate information on postal code, latitude, and longitude for more than 30000 customers from all divisions, worth \$40,000.

### Business Analytics Intern 06/2015 – 07/2015

Bank Central Asia Indonesia, Customer Business Analytics Division

- Involved in Risk Scoring Project for all Bank Central Asia credit consumers in Indonesia.
- Learned about clustering analysis for market segmentation using SPSS and SQL.

## Leadership and Voluntary Experience

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### Vice President 10/2014 – 05/2016

Jam City (Musical Group), College of Alice and Peter Tan

- Revamped club's vision and initiated new events which successfully boosts membership rate by 150%.
- Liaised with faculty departments to perform in University events which improves Jam City brand.

### Director of Welfare 08/2015 – 05/2016

NUS Indonesian Students' Association

- Led a committee of 15 people in implementing new initiatives which provide greater welfare.

### 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

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

**Computing:** Python, R, Spark, SQL, MATLAB, SPSS, Tableau, Microsoft Office, and Photoshop.