

# VINCENT LEONARDO

DATA | AI | TECHNOLOGY

 [linkedin.com/in/vincentleoooo](https://www.linkedin.com/in/vincentleoooo)  
 [vincent@vinleonardo.com](mailto:vincent@vinleonardo.com)  
 [vinleonardo.com](https://vinleonardo.com)  
 +65 8817 0611  
 [github.com/vincentleooo](https://github.com/vincentleooo)

## ABOUT

Driven by an obsession for data and technology, enjoys challenges and exploring new ideas. Learns and adapts quick to anything under the sun. Bridging gaps between different fields.

## EDUCATION

- **SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN**  
*Bachelor of Engineering with Honours (Engineering Systems and Design)*  
SINGAPORE  
MAY 2019 – AUG 2022
  - Focusing on AI and Operations Research.
  - SUTD Undergraduate Merit Scholarship holder.

## EXPERIENCE

- **SHOPEE PTE LTD**  
*Regional Operations (Fraud) Intern*  
SINGAPORE  
MAY 2021 – SEP 2021
  - Wrangled and examined behavioural data using the Apache Hive ecosystem to create rules that solve various fraud-related issues.
  - Formed and supervised testing for features that reduce chances of fraud.

## PROJECTS

- **THE ANALYTICS EDGE DATA COMPETITION**  
*SUTD*  
SINGAPORE  
NOV 2021 – DEC 2021
  - To develop an algorithm that determines sentiments given a set of tweet references about the weather. Applied the RoBERTa model by translating Python code into R. Competition required only R code.
  - Group achieved first place in terms of accuracy amongst the cohort.
- **SYNTHESIS SUSTAINABILITY IRL DATA CHALLENGE**  
*Synthesis & Treatsure*  
SINGAPORE  
OCT 2021 – NOV 2021
  - Group achieved third place in the data science challenge among around 135 participants.
  - Modelled word associations and sentiments on food wastage and food surplus consumption from the provided dataset to advise Treatsure on improving ways to get more people to consume surplus food. Submission available on my website.
- **CLASSIFICATION OF MYERS-BRIGGS TYPE INDICATOR (MBTI) TYPE BASED ON PAST POSTS ON INTERNET FORUMS**  
*SUTD*  
SINGAPORE  
OCT 2021 – DEC 2021
  - Used PyTorch to predict the MBTI of the PersonalityCafe forum users based on their past fifty posts.
  - Combined a CNN with an LSTM through experimentations in order to obtain the highest multiclass accuracy.
- **AGENT-BASED MODELLING FOR AIRPORT ARRIVALS IN A POST-PANDEMIC WORLD**  
*SUTD*  
SINGAPORE  
OCT 2021 – DEC 2021
  - Web app deliverable for the Simulation Modelling and Analysis course.
  - Project was featured in the pillar newsletter in early 2022.
  - Personally coded the whole simulation, with the rest of the group conducting simulation analyses.
- **COUNT ON IT: A FINANCIAL LITERACY GAME**  
*SUTD*  
SINGAPORE  
MAR 2021 – MAY 2021

- Web app deliverable for the Engineering Systems Architecture course.
- Led the technical plannings for the game architecture and the coding process.

- **OPTIMISATION OF PRE-SURGERY ASSESSMENT APPOINTMENT SLOTS  
AT THE SINGAPORE GENERAL HOSPITAL PRE-ADMISSION CENTRE  
*SGH Pre-Admission Centre (PAC)*** SINGAPORE  
MAR 2021 – MAY 2021
  - Partnered with the client to gather and clean the appointment data to form statistical inferences using R.
  - Contributed to the team effort of using the M/M/s queue model for the manpower optimisation done on Excel to optimise manpower, queue time and working hours.
- **ANALYSIS OF CARSHARING USAGE PATTERN AND UTILISATION  
*Car Club Pte Ltd*** SINGAPORE  
SEP 2020 – DEC 2020
  - Led a team to analyse the effects of COVID-19 on carsharing usage using various tools such as R, SQL, Python and GIS.
  - Wrote Python scripts to automate the sifting and analysis of four months of customer data provided in Excel format.
  - Consulted the industry partner (Car Club) on possible measures on adapting to the new behaviours found due to COVID-19.