**VINCENT LEONARDO**  
 DATA TECHNOLOGY AI

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**Singapore University of Technology and Design**

2 *Bachelor of Engineering with Honours (Engineering Systems and Design)*

* Focusing on Artificial Intelligence-related courses and applications.
* Awarded with the SUTD Undergraduate Merit Scholarship.

**Shopee Pte Ltd**

2 *Regional Operations (Fraud) Intern*

* Wrangled and examined large user behavioural datasets using the Apache Hive ecosystem, Python, and SQL.
* Ideated rules that reduce instances of fraud, tested and analysed impact thereof with three other departments.

[**The Analytics Edge Data Competition**](https://github.com/vincentleooo/analytics-edge-data-comp)

2 *Singapore University of Technology and Design*

* Headed the team of two to clinch first place in terms of accuracy amongst the cohort.
* Applied the RoBERTa model in TensorFlow in R to secure around 96% accuracy in the sentiment classification task.

[**Classification of MBTI Type Based on Past Posts on Internet Forums**](https://github.com/vincentleooo/CDS-Project-2021)

2 *Singapore University of Technology and Design*

* Devised model to predict the MBTI of the PersonalityCafe forum users based on their posts within the team of three.
* Merged a CNN with an LSTM using PyTorch after experimentations involving SVM, logistic regression, decision trees, ensemble models, and neural networks in order to achieve an accuracy of 78% for the top six classes.

[**Agent-Based Modelling for Airport Arrivals in a Post-Pandemic World**](https://github.vinleonardo.com/sma-airport-model/)

2 *Singapore University of Technology and Design*

* Highlighted as the top project for the course in the [ESD pillar newsletter](https://esd.sutd.edu.sg/files/ESD-Spring-Newsletter-2022.pdf) in early 2022.
* Managed the team of three in designing the architecture and user experience of the simulation using d3.js.

[**Synthesis Sustainability IRL Data Challenge**](https://vinleonardo.com/synthesis-sustainable-competition-2021/)

2 *Synthesis & Treatsure*

* Directed the team of three to win third place in the data science challenge among around 135 participants.
* Modelled word associations and sentiments on food surplus consumption from Twitter and Instagram posts in the past five years to consult Treatsure on persuading more people to consume surplus food.

**Optimisation of Pre-Surgery Assessment Appointment Slots**

2 *Singapore General Hospital Pre-Admission Centre*

* Partnered with client to gather and clean the appointment data over the past three years to form statistical inferences in R.
* Collaborated with team of four to implement the M/M/s on Excel to optimise manpower, queue time, and working hours.

**SUTD Photographic Circle**

2 *Chief Photographer*

* Oversaw the standards of the photographs sent to the clients over five major events.
* Spearheaded a film development workshop that was fully booked within one hour.

**SUTD 9th Student Government**

2 *Advisor, Media & Marketing*

* Advised and assisted the Media & Marketing team of seven on student engagement projects in the university.
* Co-led the Mental Health Awareness Week initiative, reaching over 1000 people through videos and Telegram Stickers.

Data Wrangling

Visualisation

Statistics

Machine Learning

Neural Networks

Optimisation

Simulations

Research

Python

R

JavaScript

SQL

Julia

Tableau

LaTeX

Adobe Suite

Fusion360

English (native)

Bahasa Indonesia (native)

* Teaching assistant for 10.020 Data Driven World (Fall 2021), and 60.002 AI Applications in Design (Spring 2022).
* Navigating through the Create4Good Innovation Fund Social Venture Programme under Silver Online Society (2022).
* Contributed to the Temasek Foundation-National University of Singapore Leadership Enrichment and Regional Networking Young Asian Leaders Initiative (2021).