

# VINCENT LEONARDO

DATA | TECHNOLOGY | AI

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## EDUCATION

### Singapore University of Technology and Design

Bachelor of Engineering with Honours (Engineering Systems and Design)

May 2019 – Aug 2022

- Focusing on Artificial Intelligence-related courses and applications.
- Teaching assistant for 10.020 Data Driven World (Fall 2021) and 60.002 AI Applications in Design (Spring 2022).
- Awarded with the SUTD Undergraduate Merit Scholarship.

## EXPERIENCE

### Shopee Pte Ltd

Regional Operations (Fraud) Intern

May 2021 – Sep 2021

- 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.

## PROJECTS & COMPETITIONS

### The Analytics Edge Data Competition

Singapore University of Technology and Design

Nov 2021 – Dec 2021

- 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

Singapore University of Technology and Design

Oct 2021 – Dec 2021

- 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

Singapore University of Technology and Design

Oct 2021 – Dec 2021

- Highlighted as the top project for the course in the ESD pillar newsletter 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

Synthesis & Treatsure

Oct 2021 – Nov 2021

- 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

Singapore General Hospital Pre-Admission Centre

Mar 2021 – May 2021

- 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.

## CO-CURRICULAR ACTIVITIES

### SUTD Photographic Circle

Chief Photographer

Feb 2021 – Feb 2022

- 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

Advisor, Media & Marketing

Nov 2020 – Feb 2022

- 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.

## SKILLS & TOOLS

Data Wrangling · Visualisation · Statistics · Machine Learning · Neural Networks · Optimisation · Simulations · Research  
Python · R · JavaScript · SQL · Julia · Tableau · L<sup>A</sup>T<sub>E</sub>X · Adobe Suite · Fusion 360 · English (native) · Bahasa Indonesia (native)

## ADDITIONAL INFORMATION

- Navigating through the Create4Good Innovation Fund Social Venture Programme as part of Silver Online Society, a social venture to help the elderly adapt to modern technology.
- Contributed to the Temasek Foundation-National University of Singapore Leadership Enrichment and Regional Networking Young Asian Leaders Initiative (2021).
- Enjoys history, linguistics, music, and tinkering with technology to automate various things, including this résumé.