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 · LaTeX · 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.