

VINCENT LEONARDO

DATA | AI | TECHNOLOGY

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EDUCATION

- **Singapore University of Technology and Design**
Bachelor of Engineering with Honours (Engineering Systems and Design)
Singapore
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.
- **Anglo-Chinese Junior College**
GCE Advanced Level
Singapore
Feb 2017 – Dec 2018
 - Obtained two distinctions.
 - ASEAN Scholarship holder.
- **Anglo-Chinese School (Independent)**
GCE Ordinary Level
Singapore
Jan 2015 – Dec 2016
 - Obtained nine distinctions.
 - ASEAN Scholarship holder.

EXPERIENCE

- **Shopee Pte Ltd**
Regional Operations (Fraud) Intern
Singapore
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.
- **SUTD DManD Centre**
Composites Research Intern
Singapore
May 2020 to Sep 2020
 - Optimised composites manufacturing processes and writing ANSYS scripts to automate software simulations, laying the groundwork for future projects.
 - Led and collaborated with 3 researchers and 2 other interns in various ad-hoc projects related to the research.
 - Led equipment purchasing decisions using technical expertise and knowledge, saving about 30-40% of the research's budget.

PROJECTS & COMPETITIONS

- **Gait (or Pose) Recognition Model and Analytics.**
Klass Engineering Pte Ltd
Singapore
Jan 2022 – Aug 2022
 - Training a model to correctly identify and track a moving person in the real world by their unique gait.
- **The Analytics Edge Data Competition**
Singapore University of Technology and Design
Singapore
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
Singapore
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
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** Singapore
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.
- **Count On It: A Financial Literacy Game** Singapore
SUTD 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** Singapore
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.
- **Analysis of Carsharing Usage Pattern and Utilisation** Singapore
Car Club Pte Ltd Sep 2020 to Dec 2020
 - Guided a team of four 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.

CO-CURRICULAR ACTIVITIES

- **SUTD Photographic Circle** Singapore
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** Singapore
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.