

Vincent Leonardo

Aspiring AI engineer and front end developer

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ABOUT

A keen and passionate multidisciplinary learner obsessed with anything technology related. Currently seeking a career in building web interfaces and ML/DL models to make the world a better place. Particular in crafting tools and interfaces to allow for easier usage of prediction models and data visualisation. Enjoys collaborative work and creative problem-solving.

EDUCATION

Singapore University of Technology and Design
Bachelor of Engineering with Honours (Engineering Systems and Design)

Singapore
May 2019 – Present

- Expected to graduate in September 2022.
- Awarded with the SUTD Undergraduate Merit Scholarship.

EXPERIENCE

What Is Up, Indonesia? 🌐

Newsletter Writer & Web Developer

Singapore
May 2022 – Present

- Writing weekly email newsletters discussing Indonesian news headlines in English that reaches over 500 people.
- Writing and maintaining their website using Next.js (React) with MDX templates.
- Exploring content management systems to implement on the website complementing the main [Instagram](#) page.

Silver Online Service 🌐

Marketing Coordinator & Web Developer

Singapore
May 2022 – Present

- Developing a website (in-progress) to increase reach towards children of elderly parents who are struggling with smartphone usage.
- Advising for the creation of the startup company's brand identity and design for Instagram posts and the website.

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.

PROJECTS & COMPETITIONS

Gait Recognition Model and Analytics

Klass Engineering Pte Ltd

Singapore
Jan 2022 – Present

- Leading a team of five from two different pillars to model unique identification of people based on their gait alone.
- Synthesising a full-stack pipeline from video feed to classification using React, FastAPI, OpenCV, and OpenGait models.

Music Genre Classification 🌐

SUTD 50.039 Theory and Application of Deep Learning

Singapore
Jan 2022 – May 2022

- Crafted a lightweight parallel CNN model to classify music genres using the GTZAN dataset to achieve around 80% accuracy.
- Split inputs into three-second chunks, and ensembling predictions based on these chunks for unseen data of any length.
- Created a simple CLI application and a [prototype web interface](#) for ease-of-use.

Agent-Based Modelling for Airport Arrivals in a Post-Pandemic World 🌐

SUTD 40.015 Simulations Modelling Analysis

Singapore
Oct 2021 – Dec 2021

- Project was highlighted 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

Singapore
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.

CO-CURRICULAR ACTIVITIES

60.002 AI Applications in Design

Teaching Assistant

Singapore
Jan 2022 – May 2022

- Mentored groups in their projects involving web scraping and text analysis using various Python packages.
- Taught Python and TensorFlow installation, usage, and debugging skills.

SUTD 9th Student Government

Advisor, Media & Marketing

Singapore
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.

ADDITIONAL INFORMATION

- Native English and Bahasa Indonesia speaker.
- Comfortable in Linux/Unix-based systems and shell scripting, especially in web servers and for deep learning purposes.
- Enjoys history, linguistics, music, and tinkering with technology to automate various things, including [this résumé](#).