

# 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?** 🌐 🌐

**Singapore**  
**May 2022 – Present**

**Newsletter Writer & Web Developer**

- 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** 🌐 🌐

**Singapore**  
**May 2022 – Present**

**Marketing Coordinator & Web Developer**

- Developing a landing page website 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**

**Singapore**  
**May 2021 – Sep 2021**

**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.

## 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** 🌐

**Singapore**  
**Jan 2022 – May 2022**

**SUTD 50.039 Theory and Application of Deep Learning**

- 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** 🌐 🌐

**Singapore**  
**Oct 2021 – Dec 2021**

**SUTD 40.015 Simulations Modelling Analysis**

- 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** 🌐 🌐

**Singapore**  
**Oct 2021 – Nov 2021**

**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.

## 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.