

Liew You Sheng

Data Analyst

GPA Computer Science – 4.86 / 5.00 Business – 4.79 / 5.00	Education Nanyang Technological University <ul style="list-style-type: none">Undergraduate - Business & Computing (Double Degree)
Contact Hougang Avenue 8 Blk 660 +65 96607403 YLIEW004@e.ntu.edu.sg	Leadership Developer Student Club (DSC@NTU) – Tech Director Judo - Physical Training Instructor Scouts - President (Troop Leader)
Project Portfolio LiewYouSheng.github.io	Skills Languages: Python, Javascript Machine Learning, Data Analytics, Software Engineering

Professional Experience

Forensics Intern

December 2020 – February 2021

KPMG Singapore

- Secured Winter Internship for 2020-2021.

Data Analytics Intern

September 2020 – December 2020

EtaVolt Pte Ltd

- Developed a Image Classification Model to automatically detect and classify damaged solar cells.

Data Analytics Intern

May 2020 – August 2020

Lithan Pte Ltd

- Developed a Web Application for Contactless Facial Recognition Attendance System
- Developed a Website UI with demographic recommendation system, helping sales recommend the correct product to the correct customer and allocate them accordingly to their customer profile automatically.

Competitions / Hackathons – Finalist & Above

Defence Science and Technology Agency (DSTA) – Brainhack CODE_EXP 2020 [\[Certificate\]](#)

- 1st Place (Champion)**
Developed a cloud-based cross-platform mobile application using Firebase, AWS, and React Native.

Amazon Web Services (AWS) – AWS Hackdays 2020 [\[Certificate\]](#)

- Finalist (Top 5, Open Category)**
Developed a cloud-based machine learning application to predict gene mutations of viruses in a pandemic.
Featured on [NTU's LinkedIn here](#).

Shopee & Bosch – NTU Hackfest 2020

- 2nd Runner Up**
Developed a Mobile Application using Computer Vision (OpenCV) and Speech to Text Models (Artificial Intelligence & Machine Learning).

Central Provident Fund Board (CPFB) – CPFB Hackathon 2020 (Partner with Microsoft's Azure)

- Finalist (Ongoing)**
Developed a user Recommendation System using Microsoft's Azure and LightFM, using reinforcement learning and matrix factorization.

AlphaLab – NTU Python Coding Poker 2019

- 1st Place**
Overall - Created a winning Poker algorithm using Python

Facebook – Singapore Hack 2019

- 1st Place**
Innovation & Presentation Round - Showcased an innovative product idea for aiding the blind to efficiently navigate busy streets.

Competitions – Full List

Dell Dell Augmented Hackathon 2020
Google Google Hashcode 2020
PSA Unboxed Data Analytics Hackathon 2020
E&Y NextGen Risk Challenge 2020
Shopee National Data Science Challenge 2019
UBS UBS Quant Hackathon 2019

Shopee Shopee Code League 2020
Big4 Accounting Innovation Challenge 2020
IBM Lifesavers' Innovation Challenge 2020
SIA SIA AppChallenge 2020
UBS UBS Quant Hackathon 2020
Shopee Best Coder 2019

Project Portfolio

Practical	Technical
Web-based automated chat bot using Google's DialogFlow (DSTA Code_EXP Hackathon 2020)	Google Cloud – DialogFlow Natural Language Processing (NLP)
Key Phrase Extraction from paragraphs/websites (CPF Hackathon 2020)	Python Unsupervised Learning Natural Language Processing (NLP)
Facial Recognition Attendance System (Summer Intern 2020)	Python Image Detection Machine Learning
Machine Learning Prediction Models (Summer Intern 2020, Kaggle, AWS Hackdays 2020)	Machine Learning Supervised Learning
Serverless Microservice Architecture, Cloud Computing (Summer Intern 2020, CPF Hackathon 2020, SCDFxIBM Hackathon 2020, AWS Hackdays 2020)	Microsoft Azure Amazon Web Services (AWS) IBM Cloud
Personalised Telegram chat-bot (Personal Project, Singapore Airlines AppChallenge 2020)	Python Natural Language Processing (NLP)
Rapid Software Development (Hackathons Experience)	Web Development Python JavaScript
Image Detection / Visual Recognition Models (SCDFxIBM Hackathon 2020, Personal Project)	PyTorch Image Detection Machine Learning
Speech to Text, Audio Transcription from video/audio (NTU Hackfest 2020)	Python Natural Language Processing (NLP)
Product Recommendation System (Summer Intern 2020, CPF Hackathon 2020)	Machine Learning Supervised Learning