

WORK EXPERIENCE

Associate Data Scientist

Traveloka

08/2019 – Present

Singapore

Achievements/Tasks

- Scoped, developed and deployed an image deduplication model to semi-automate inventory onboarding process with estimated cost savings and potential profits of more than \$1m USD per process.
- Scoped, developed and deployed an image classification model to automate labeling of inventory images with estimated cost savings of \$300k USD annually.
- Co-developed facial recognition model for KYC process that led to estimated loss prevention of \$100k USD annually.

Data Scientist (Part-Time)

Qanvast

11/2018 – 04/2019

Singapore

Achievements/Tasks

- Created and deployed recommendation engine for articles to improve engagement.
- Conducted User Behavioural Analysis and User Profiling to understand customer behaviour.
- Built Proof-of-Concept contract reader using Computer Vision and Machine Learning.

Data and AI Intern

SP Digital

07/2018 – 08/2018

Singapore

Achievements/Tasks

- Improved and experiment with forecasting techniques to predict energy usage based on historical data.
- Developed neural networks such as autoencoder to detect anomalies in timeseries data.

Product and Data Analyst

WSC Sports Technologies

01/2018 – 06/2018

Tel Aviv, Israel

Achievements/Tasks

- Kickstarted company's data-driven culture with BI reports ranging from operations to sales. Utilised FullStory and MixPanel to understand customer behavior and provide with insights.

EDUCATION

B.A. Science (Business Analytics)

National University of Singapore

08/2015 – 06/2019

Honours (Distinction)

Awards

- Certificate of Distinction in Business Domain Applications Knowledge Area
- Certificate of Distinction in Analytics Techniques Knowledge Area

Entrepreneurship, DELTA Programme

Tel Aviv University, Collier School of Management

01/2018 – 06/2018

Tel Aviv, Israel

Courses

- New Venture Creation
- Entrepreneurship

SKILLS

Python R SQL HTML CSS Visualization

Scikit-learn Pytorch Keras + Tensorflow NLP

Computer Vision

PERSONAL PROJECTS

BTO Buddy - Platform for New Homeowners

- Utilized computer vision and chat bot to automatically create site plan analysis for homeowners and personalized monitoring features for home selection process. Served over 2,000 users and 1,000 paying customers.

EmoViz - Classroom Assistant

- Created an IoT device to capture emotions of students throughout the full duration of the class to empower teachers to understand the students better using deep learning and computer vision.

SureOrNot - Fake News Chrome Extension

- Created a Chrome Extension which reads your Facebook feed and identify news that are outdated/fake, encouraging users to think before sharing.

ACHIEVEMENTS

Microsoft Student Partner (MSP) Programme (10/2016 – 10/2019)

• Awarded Microsoft Student Partner of the Month Worldwide • 48 out of 2500 MSP Worldwide to be invited by Microsoft to attend Microsoft Build 2018 @ Seattle

Hackcommerce, "Offline-to-Online" – 1st Place and "Simplifying Payments" – 1st Place (06/2018)

• Created a smart purse system which collects small change and convert them into digital currency. Used facial analytics to predict behavior of customers and provide recommendation.

WSC Hackathon – 1st Place (06/2018)

• Using computer vision and deep learning, my team created special effects on basketball clips automatically. Example of special effects are colour splash, freeze effect and infographics.

Elcothon, Personal AI Hackathon – 1st Place (05/2018)

• Created an AI-powered movie chatbot which not only includes facial recognition and personalisation but also ways for Elco to commercialise on the product.

Samsung Imagination Hackathon – 3rd Place (03/2018)

• Innovative solution of using the phone camera as a portal to children's imagination. Using voice recognition, Portal is able to create AR Objects on-the-go.

NUS Computing Student Awards - Bronze (2018)

• Awarded Bronze for outstanding academics and external achievements

DXC Technology "The Future Of Innovation Challenge" – 1st Place (09/2017)

• Patient sentiment analysis aimed at mental health providers, with business intelligence, voice analytics capabilities, risk stratification capabilities and automation around intervention and care plans.

BiZiT Festival Big Data Track – 1st Place (06/2017)

• Trained several models using facebook postings on Singtel's page to classify urgency of each posting and topic. Also created a predictive answering for customers' queries.

LANGUAGES

English
Native or Bilingual Proficiency

Chinese
Native or Bilingual Proficiency