

Technical Skills

- Programming Languages: Python, ES6 Javascript, Java, SQL
- Others: HTML, CSS3/SASS, ReactJS, NodeJS, MeteorJS, Flask, MongoDB, Android, TensorFlow, PyTorch

Education

NANYANG TECHNOLOGICAL UNIVERSITY, RENAISSANCE ENGINEERING PROGRAMME	AUG 2015 - DEC 2019
<ul style="list-style-type: none">• Bachelor in Engineering Science (Computer Science) and Masters in Technological Management• CGPA: 4.72/5.0 (Expected First Class Honours)• Placed among top 5 students in cohort for Academic Year 2016/2017 (Dean's List)• Awarded Renaissance Engineering Programme Scholarship, covering full tuition and living expenses.	
UNIVERSITY OF CALIFORNIA, BERKELEY, VISITING SCHOLAR	SEP 2017 - AUG 2018
TSINGHUA UNIVERSITY, DEEP LEARNING SUMMER SCHOOL	JULY 2017
UDACITY, DEEP LEARNING AND ARTIFICIAL INTELLIGENCE NANODEGREE	JAN 2017 - AUG 2017

Experience

SOFTWARE ENGINEERING INTERN, MERCK, AUSTIN IT HUB	MAY 2018 - AUG 2018
<ul style="list-style-type: none">• Developed a Q&A and information retrieval chatbot for the Global Marketing and Operations Division, which was rated 4.3/5.0 during initial pilot for user experience.• Built key functionalities including feedback dialogue, intent matching, result ranking and chatbot analytics.	
UNDERGRADUATE RESEARCHER, BERKELEY LAB	SEPT 2017 - JUL 2018
<ul style="list-style-type: none">• Implemented convolutional neural networks for classifying echocardiogram view orientations and left-ventricular hypertrophy, achieving a state-of-the-art accuracy of 94.4% over 15 still-image classes.• Co-authored research paper on data-efficient deep learning (under review at Nature Digital Medicine).	
PARTICIPANT, GOOGLE SUMMER OF CODE (GREEN NAVIGATION)	MAY 2017 - SEPT 2017
<ul style="list-style-type: none">• Developed and shipped major features for an open-sourced electric vehicle range visualisation tool using ReactJS. Integrated front-end map interface with OpenLayers and OpenStreetMap JavaScript APIs.	
ARTIFICIAL INTELLIGENCE NANODEGREE MENTOR, UDACITY	APR 2017 - MAY 2018
<ul style="list-style-type: none">• Mentored and provided technical advice to over 50 students taking the Artificial Intelligence Nanodegree.	
CO-FOUNDER, OTTER BICYCLE SHARING	JAN 2015 - JULY 2016
<ul style="list-style-type: none">• Built an Android application that facilitated real-time sharing between bicycle owners using Parse backend.	

Selected Projects

WALRUSHUB.COM (SOCIAL NETWORK FOR COLLEGE CAMPUSES)	OCT 2017 - DEC 2017
<ul style="list-style-type: none">• Fully-functional social networking site with features including user profiles, posts, commenting, voting, in-app messaging, and notifications. Built with ReactJS, MeteorJS and MongoDB.	
YUX AI PERSONAL FASHION ASSISTANT	JAN 2017 - APR 2017
<ul style="list-style-type: none">• Mobile app using deep learning to analyse clothes on social media for fashion recommendation.• Integrated chatbot functionality. Scraped and labelled 20,000 training images using Python and Flask.	

Awards and Achievements

SURBANA JURONG HACKATHON 2017	MAY 2017
<ul style="list-style-type: none">• Won First Prize with D'Lokal, an Airbnb for Local Services, built with React Native.	
NUS MICROSOFT DATA SCIENCE STUDENT CHALLENGE 2017	MAY 2017
<ul style="list-style-type: none">• Won Second Prize with Unishield, a micro-insurance platform built in Flask.	
MICROSOFT AZURENAUT HACKATHON 2017	JAN 2017
<ul style="list-style-type: none">• Won First Prize with an innovative Smart Recycling AI Chatbot using BotFramework in Node.js.	
SINGAPORE AIRLINES APP CHALLENGE 2016	OCT 2016
<ul style="list-style-type: none">• Won Grand Prize (Trip from Singapore to Silicon Valley) and RedHat OpenShift Award.	