

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

- 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

MERCK - SOFTWARE ENGINEERING INTERN, AUSTIN IT HUB MAY 2018 - AUG 2018

- 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.

BERKELEY LAB - UNDERGRADUATE RESEARCHER SEPT 2017 - JUL 2018

- 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 ([Published in Nature Digital Medicine](#)).

GOOGLE SUMMER OF CODE - PARTICIPANT WITH GREEN NAVIGATION MAY 2017 - SEPT 2017

- 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.

UDACITY - ARTIFICIAL INTELLIGENCE NANODEGREE MENTOR APR 2017 - MAY 2018

- Mentored and provided technical advice to over 50 students taking the Artificial Intelligence Nanodegree.

OTTER BICYCLE SHARING - CO-FOUNDER JAN 2015 - JULY 2016

- Built an Android application for real-time bicycle sharing between owners using Parse & Node.js backend.

Selected Projects

YUX.AI - VISUAL SEARCH FOR MENS FASHION SEPT 2018 - OCT 2018

- Chrome extension using deep learning for clothing feature prediction, and information retrieval techniques for results ranking, trained with over 20k images. Built for scalability with AWS Lambda and RDS.

WALRUSHUB.COM - SOCIAL NETWORK FOR COLLEGE CAMPUSES OCT 2017 - DEC 2017

- Fully-functional social networking site with features including user profiles, posts, commenting, voting, in-app messaging, and notifications. Built with ReactJS, MeteorJS and MongoDB.

Awards and Achievements

SURBANA JURONG HACKATHON 2017 MAY 2017

- Won *First Prize* with D'Lokal, an Airbnb for Local Services, built with React Native.

NUS MICROSOFT DATA SCIENCE STUDENT CHALLENGE 2017 MAY 2017

- Won *Second Prize* with Unishield, a micro-insurance platform built in Flask.

MICROSOFT AZURENAUT HACKATHON 2017 JAN 2017

- Won *First Prize* with an innovative Smart Recycling AI Chatbot using BotFramework in Node.js.

SINGAPORE AIRLINES APP CHALLENGE 2016 OCT 2016

- Won *Grand Prize* (Trip from Singapore to Silicon Valley) and RedHat OpenShift Award.