

# Caleb Mah

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## EDUCATION

### Nanyang Technological University (NTU), Renaissance Engineering Programme Aug 2015 – Dec 2019

- Elite Premier Scholars Programme (top 2% yearly cohort), Renaissance Engineering Programme Scholarship
- MSc. in Technology Management and BSc. in Engineering Science, Computer Science
- CGPA: 4.76/5.0 (Expected First Class Honours)
- Final Year Project exploring the use of Convolutional Neural Networks on Graphs to generate question and answers supervised by Associate Professor Xavier Bresson

### University of California, Berkeley Aug 2017 – May 2018

- Overseas Concurrent Enrolment programme reading Computer Science and Entrepreneurship modules
- GPA: 3.71/4.0

## WORK EXPERIENCE

### Siemens Healthineers, Mountain View, California May – Jul 2018

- Developed an SMS chatbot for Healthcare Professionals using NodeJS, GraphQL and Amazon Web Services including Simple Notification Service, Lex and Lambda functions

### Total Debt Service Ratio Calculator, Android Mobile Application May – Aug 2017

- Designed, developed and released an Android application to calculate Total Debt Service Ratios for property agents on Google Play Store Singapore

### Singapore Armed Forces, 38 Singapore Combat Engineers, 3SG Feb 2013 – Dec 2014

- Appointments: Platoon Sergeant, Section Commander, Course Instructor, Armoury IC, Barrack Damages IC
- Planned, organised and conducted training and activities for Alpha Company
- Responsible for high security assets including the Bronco All Terrain Track Carrier, Armoury and Chainsaws

## AWARDS & ACHIEVEMENTS

### Facebook Singapore Hackathon 2018 Sep 2018

- First Runner Up out of 23 teams
- Developed a Chrome browser extension that identifies clothing and recommends similar apparel online

### GeeksHacking HackOMania 2017 Mar 2017

- First Place Winner
- Developed a chatbot solution to social problems using social media APIs from Meetup and NodeJS

### GovTech Singapore-School of Computer Science and Engineering Hackathon 2017 Feb 2017

- First Place Winner
- Developed an automated elderly monitoring system using computer vision and chatbots

### Land Transport Authority (LTA) Engineering Challenge Mar – Oct 2016

- Top 7 Finalists out of over 100 teams, Certificate of Commendation
- Designed and developed an Android application solution for sustainable future mobility

### Singapore Airlines (SIA) App Challenge Oct 2016

- Top 6 Finalists out of 280 participants
- Designed and developed an Android application to enhance SIA passenger experiences

## LEADERSHIP & CO-CURRICULAR ACTIVITIES

### Executive Committee, Makers' Lab, NTU Sep 2015 – Aug 2019

- Education and Training Vice Head (2016 – 2017), Logistics and Tech Head (2018 – 2019)
- Organised and conducted multiple workshops, camps and competitions across various domains and technologies
- Led a team of 7 members to plan a Sumobot competition involving multiple schools

### Social and Welfare Sub Committee, Renaissance Engineering Club, NTU Aug 2016 – Aug 2017

- Planned and conducted multiple events to promote wellbeing and interaction among students

### Chief of Programmes, Freshmen Orientation Camp, NTU Jan – Aug 2016

- Led a team of 21 members to plan and execute a 5-day Freshmen Orientation Camp for 69 freshmen

## SKILLS

- Programming: Python, NodeJS, Java, SQL, C, HTML, CSS, JavaScript
- Software: Android Studio, Arduino, Autodesk Fusion 360, Autodesk Maya, Postman, SolidWorks
- Other Skills: Piano, German language