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