

# Caleb Mah

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## EDUCATION

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

- MSc. in Technology Management and BSc. in Engineering Science, Computer Science
- Elite Premier Scholars Programme (top 2% yearly cohort), Renaissance Engineering Programme Scholarship
- CGPA: 4.73/5.0 (First Class Honours)
- Final Year Project exploring the use of Residual Gated Graph Convolutional Neural Networks in question answering

**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

**Aptiv nuTonomy, Singapore** May – Aug 2019

- Deployed backend data pipeline services using .NET Core framework with Amazon Web Services and Terraform
- Developed internal monitoring tool to track logs with Slack integration

**Google CodeU Summer 2019** May – Aug 2019

- Designed and developed a food forum web application using Java, HTML, CSS and JavaScript
- Deployed on Google Cloud Platform using Git and Travis CI and utilised Google Maps and Charts APIs

**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

## 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

## SKILLS

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