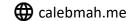
Caleb Mah

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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