

Education

Nanyang Technological University (NTU), Renaissance Engineering Programme (REP)	Aug 2016 – Present
<ul style="list-style-type: none"> Master of Science in Technology Management and Degree in Engineering Science (Mechanical Engineering) CGPA: 4.89/5.0 (Expected First Class Honours) Dean's List for Academic Year 16/17 	
Northwestern University, Evanston, Illinois	Sep 2018 – Jun 2019
<ul style="list-style-type: none"> Segal Design Certificate (set of courses and projects that build design knowledge and skills) 	
Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia	Jun 2017 – Jul 2017
<ul style="list-style-type: none"> Summer Studies, <i>Introduction to Plasma Physics and Controlled Nuclear Fusion</i> 	
Raffles Junior College	Jan 2012 – Dec 2013
<ul style="list-style-type: none"> 10 A's in A' levels (4 H2, 1 H1, 1 H3) 	

Awards and Achievements

PSA Game-It 2017, mobile game-making competition hosted by PSA	Aug 2017 – Oct 2017
Top 8 finalists	
SIA App Challenge 2017, app-making hackathon hosted by Singapore Airlines	Oct 2017
Participant	
NTU, C3 Games Creation Workshop, game development using Unity and C#	Oct 2016 – Nov 2016
First Prize	

Work Experience

Dyson Ltd, Tetbury Hill, Malmesbury, UK	Jun 2018 – Sep 2018
<ul style="list-style-type: none"> Simulation of electrical-thermal behaviour of batteries Development of GUI for the battery model using MATLAB App Designer Flow test of floorcare products 	
Mecba Technology (S) Pte Ltd, Singapore	Dec 2013 – Jan 2014
<ul style="list-style-type: none"> Quality control and assembly of several electronic products of the firm 	
National Service (Singapore Armed Forces)	Feb 2014 – Feb 2016
<ul style="list-style-type: none"> Silver Bayonet, Transport Specialists Cadet (Apr 2014 – Dec 2014) 	

Co-Curricular Activities and Leadership

NTU, Vice Chairman of Makers Club	Aug 2019 – Present
NTU, Chairman of REACH (REP local service-learning wing)	Aug 2016 – Jun 2018
NTU, University Mountaineering Club	Aug 2016 – Jun 2018
NTU, C3 (Cyberwellness, Cybersports and Games Creation Society)	Aug 2016 – Jun 2018
Raffles Junior College, Chinese Chess	2012 – 2013

Skills

Programming

- Programming Languages: C, C#, C++, Java, MATLAB, Python, HTML/CSS
- Platforms: Unity, Android Studio, Microsoft Visual Studio, Arduino, Harmony

Software

- Microsoft Office Suite
- Adobe Photoshop, Illustrator
- Solidworks, Onshape

Fabrication

- 3D print, laser cut, water jet, band saw

Languages

- Proficient in English and Mandarin
- Basic Malay

Hobbies and Interests

Chinese flute (Grade 8 proficiency)