

## Education

<b>Nanyang Technological University (NTU), Renaissance Engineering Programme (REP)</b>	<b>Aug 2016 – Present</b>
<ul style="list-style-type: none"> <li>Master of Science in Technology Management and Degree in Engineering Science (Mechanical Engineering)</li> <li>CGPA: 4.9/5.0 (Expected First Class Honours)</li> <li>Dean's List for Academic Year 16/17</li> </ul>	
<b>Northwestern University, Evanston, Illinois</b>	<b>Sep 2018 – Jun 2019</b>
<ul style="list-style-type: none"> <li>Segal Design Certificate (set of courses and projects that build design knowledge and skills)</li> </ul>	
<b>Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia</b>	<b>Jun 2017 – Jul 2017</b>
<ul style="list-style-type: none"> <li>Summer Studies, <i>Introduction to Plasma Physics and Controlled Nuclear Fusion</i></li> </ul>	
<b>Raffles Junior College</b>	<b>Jan 2012 – Dec 2013</b>
<ul style="list-style-type: none"> <li>10 A's in A' levels (4 H2, 1 H1, 1 H3)</li> </ul>	

## Awards and Achievements

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

## Work Experience

<b>Dyson Ltd, Singapore</b>	<b>May 2020 – July 2020</b>
<ul style="list-style-type: none"> <li>Mechanical design of automated test jig using SolidWorks</li> <li>Implementation of high-level test operation GUI with LabVIEW</li> </ul>	
<b>Dyson Ltd, Tetbury Hill, Malmesbury, UK</b>	<b>Jun 2018 – Sep 2018</b>
<ul style="list-style-type: none"> <li>Simulation of electrical-thermal behaviour of batteries</li> <li>Development of GUI for the battery model using MATLAB App Designer</li> <li>Flow test of floorcare products</li> </ul>	
<b>Mecba Technology (S) Pte Ltd, Singapore</b>	<b>Dec 2013 – Jan 2014</b>
<ul style="list-style-type: none"> <li>Quality control and assembly of several electronic products of the firm</li> </ul>	
<b>National Service (Singapore Armed Forces)</b>	<b>Feb 2014 – Feb 2016</b>
<ul style="list-style-type: none"> <li>Silver Bayonet, Transport Specialists Cadet (Apr 2014 – Dec 2014)</li> </ul>	

## Co-Curricular Activities and Leadership

<b>NTU, Vice Chairman of Makers Club</b>	<b>Aug 2019 – Aug 2020</b>
<b>NTU, Chairman of REACH (REP local service-learning wing)</b>	<b>Aug 2016 – Jun 2018</b>
<b>NTU, University Mountaineering Club</b>	<b>Aug 2016 – Jun 2018</b>
<b>NTU, C3 (Cyberwellness, Cybersports and Games Creation Society)</b>	<b>Aug 2016 – Jun 2018</b>

## Skills

### Programming

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

### Software

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

### Fabrication

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

### Languages

- Proficient in English and Mandarin

## Hobbies and Interests

Chinese flute (Grade 8 proficiency)

