

Yi Jiahe

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STRENGTHS SUMMARY AND CAREER OBJECTIVE

A multi-talented individual with a strong passion in innovative technologies. Seeking to apply a diverse skillset, utilizing a multi-disciplinary approach towards developing cutting edge technologies.

EDUCATION

B.Eng, Aerospace Engineering

Jul 2017 - Present

Nanyang Technological University, Singapore

- Year 3 undergraduate student
- CN Yang Scholars Programme
- CGPA: 4.90

GCE 'A' Levels

Jan 2013 – Nov 2014

Raffles Junior College, Singapore

<u>Subjects Taken</u>	<u>Grade</u>
H3 Semiconductor Physics	Distinction
H2 Physics	A
H2 Chemistry	A
H2 Mathematics	A
H2 Economics	A
H1 Project Work	A
H1 General Paper	B

PAST EXPERIENCES

Research Attachment

Jan 2019-Apr 2019

Nanyang Technological University, Digital Signal Processing Technology

- Aided with the implementation and testing of new audio decoding technologies for use with Virtual Reality
- Utilized subjective testing methods and statistical analysis to evaluate the effectiveness of different decoding techniques.

Research Attachment

Jan 2018-Apr 2018

Nanyang Technological University, Low Speed Wind Tunnel

- Designed and performed experiments to investigate the application of aerodynamic flutter in wind energy generation

Public Relations Specialist

Dec 2015 - Mar 2017

Singapore Armed Forces, Basic Military Training Centre HQ

PROJECTS

Engineering Innovation and Design

Jan 2019 - Apr 2019

Nanyang Technological University

- Combined business and engineering skills to design and build a product, as well as subsequently drafting up a business plan and marketing strategy for said product.

Summer Project

May 2018 - Jul 2018

Nanyang Technological University, Making and Tinkering Laboratory

- Applied scientific and engineering principles to overcome various constraints to design and build the HoverFish, a lightweight remote-controlled helium balloon from scratch.
- Received the title “Best Project” out of around 15 groups.

CO-CURRICULAR ACTIVITIES

Crescent Hall Sound Crew Chairman

Jul 2017 - May 2018

Nanyang Technological University, Crescent Hall

- Provided technical expertise with audio equipment during performances.
- Trained and managed members to provide support for hall events.

Crescent Hall Carrom Manager

Jul 2017 - May 2018

Nanyang Technological University, Crescent Hall

- Organized and conducted trainings for members.
- Placed 4th out of 24 halls in the inter-hall games’ preliminaries.

SKILLS

Languages

Fluent in written and spoken English and Chinese.

Computer

Proficient in Microsoft Word, Excel and Powerpoint.

Able to program in C, Python, Matlab, VBA, Javascript, HTML and Kotlin.

Able to use Computer Aided Design software such as AutoCAD Inventor and Solidworks, as well as graphics design software like Photoshop.

Able to use statistical analysis software such as IBM SPSS Statistics and R.

Others

Able to read and produce engineering drawings.

Familiar with audio-visual equipment.

Familiar with soldering and working with basic electronic circuits.