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Tan Xuan Yun

**PROFILE**

I am a year 1 undergraduate NUS student who enjoys learning new skills. I am also a critical thinker who enjoys analyzing problems. I can work well in groups to come up with ideas and solutions. Being curious about software engineering and technology, I have tried to explore more about data science and AI to robotics and mechatronics. My internship availability is from 9/5/22 to 17/7/22.

**EDUCATION**

National University of Singapore,

Bachelor Degree in Computer Science

August 2021 – Present

Ngee Ann Polytechnic,

Diploma in Engineering Science

April 2018 - March 2021

Cumulative GPA of 3.89

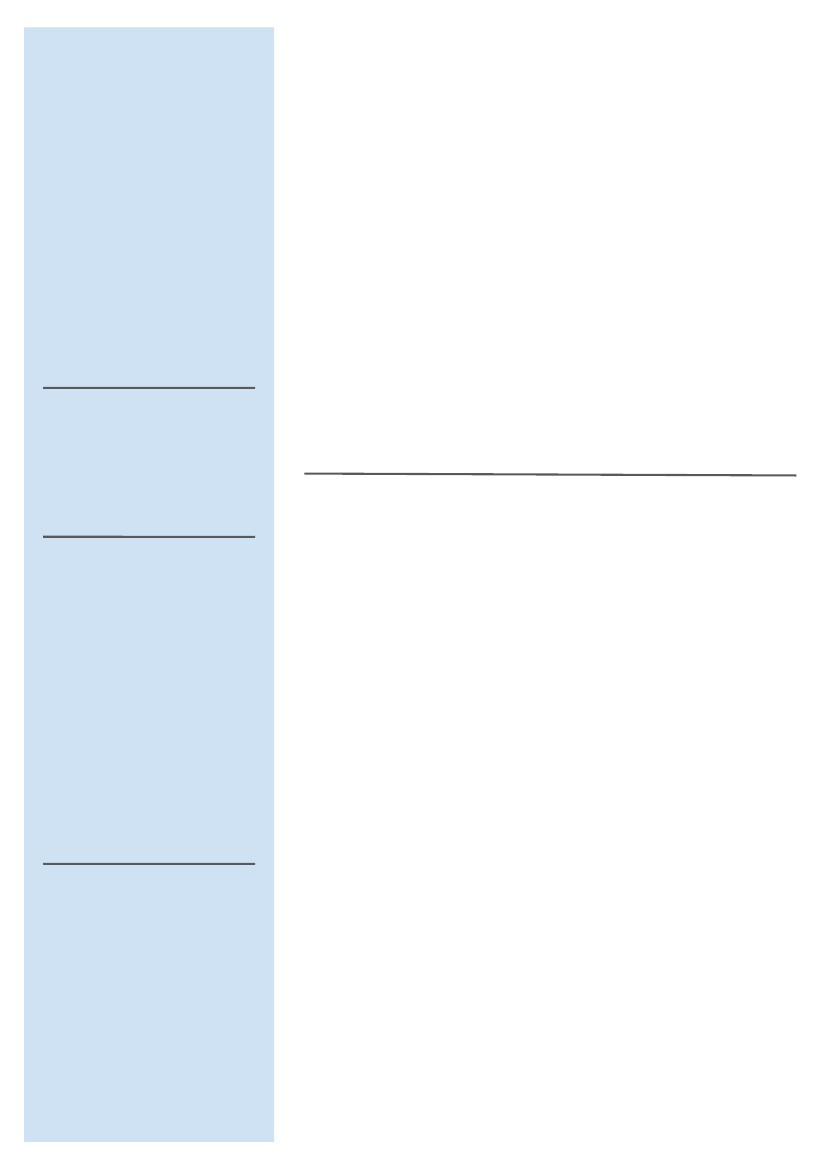
Level 1, April Semester Director’s List

Level 1, October Semester Director’s List

Level 1, October Semester Third Most Outstanding Performance

Diploma Plus in Advanced

Engineering Mathematics (CAEM)



**WORK EXPERIENCE**

Roboto Coding Academy – Technology Education Intern

Mar 2021 – June 2021

* Developed new educational material for C++ module targeted for secondary school students
* Developed new education material for IoT modules such as IFTTT and worked with mircobit
* Conducted physical lesson on Dash and mBot and online lesson on Scratch for 7 weeks at Global Indian International School (GIIS)



**TECHNICAL SKILLS**

C/C++/C#

Python/Java

HTML/CSS/JavaScript

OpenCV

Arduino/Jetson Nano

Linux





**CO-CURRICULAR ACTIVITIES**

Rotaract Club – International Service Director

Jan 2020 – Jun 2020

* Organized and planned for Rotaract Bonding Night which incorporate a personality test. Received Gold Award for District Best Club Service Project Award.
* Created Instagram content such as stories and posts to attract students to join the club during E-CCA Fiesta. Attracted more than 100 students to sign up.
* Organized and planned for the first E-Welcome party ever conducted. Attracted more than 70 members to participate.

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**SOFT SKILLS**

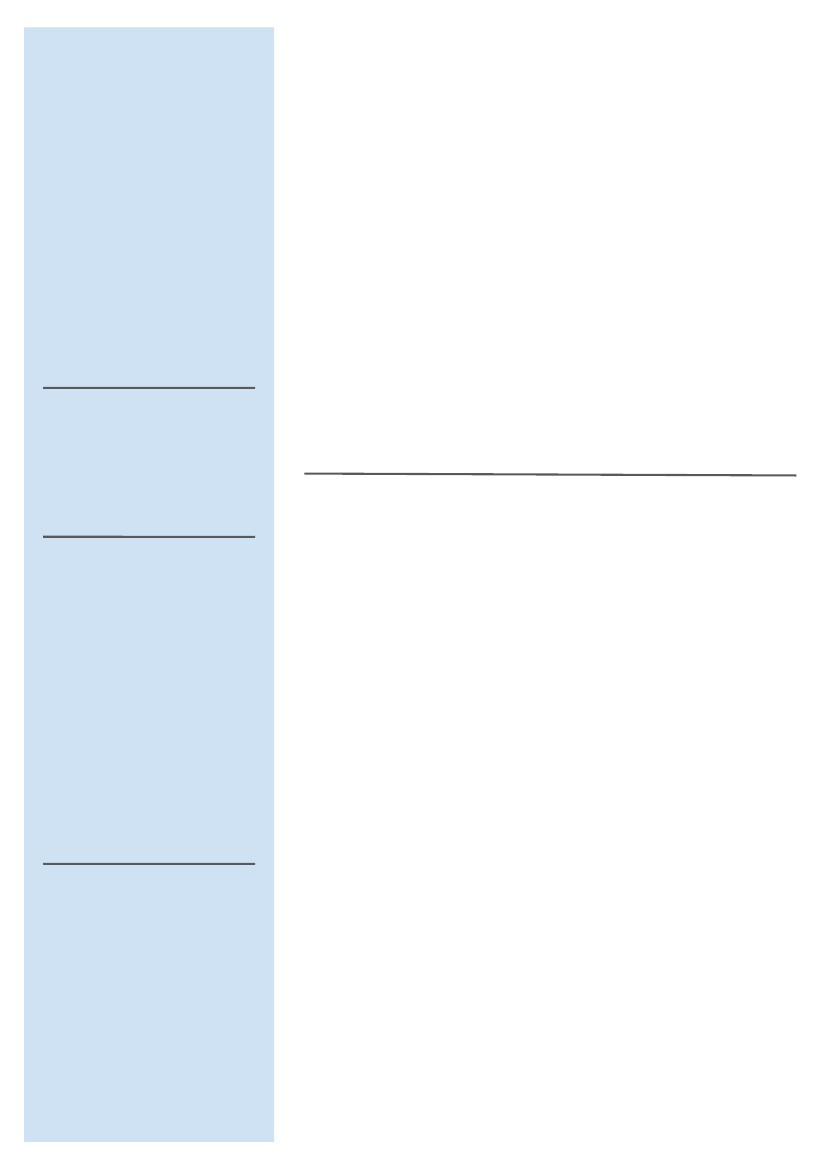
Problem Solving

Adaptability

Teamwork

Organisation and Planning

Interpersonal Skills



**PROJECT**

Engineering Design Project – Producing teaching material about Autonomous Robot Car

October 2019 – February 2020

Created a well-documented instructional manual to build an autonomous robot car which will be used as teaching material for future students. It required Autodesk Inventor to create the 3D structure to illustrate the instructions. An instructional video was also created as additional teaching material.

Final Year Project – Intelligent transport system

April 2020 – October 2020

To design an intelligent traffic light system on campus to allow autonomous vehicle trials to be conducted with lesser manpower and coordination work. I was working on using you only look once (YOLO) deep learning computer vision model to detect and count vehicles to analyse the traffic situation. I had to create the dataset, annotate the dataset the train the model to detect vehicles on campus.

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**LANGUAGES**

Written and Spoken English

Written and Spoken Mandarin

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**REFEREES**

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