



SILVANUS SNG

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E-Portfolio: <https://silvanus99.github.io/>

▼ Objective

I am a confident and highly motivated person. I have an inquiring mind and always show a keen interest in exploring new strategies, especially in the area of Programming and Electronics. I believe that efforts today rewards tomorrow, if we work hard, our efforts shall be rewarded.

▼ Experience

SOTA Gotong Royong 2020 | The ECompany

OCTOBER 2020

- Presented at the Workshop
- Taught students on the topic of Global Warming
- Prepared the logistics needed for the workshop

Internship Equivalent | SICK Intelligence

APRIL 2020 - AUGUST 2020

- Lead a team to design an office transporter using Inventor and Autocad
- Programmed a code to allow transporters to navigate through obstacles using ROS programming
- Liaise with Supervisor and partnering company
- Contact Supplier for materials and components

▼ Education

Diploma in Mechatronics and Robotics Engineering | Singapore Polytechnic

APRIL 2018 – Current

- Current GPA 3.6
- Lee Kuan Yew STEP Award Recipient
- BizSAFE Level 2 certification
- Gold with Honors for CCAs

Higher National ITE Certificate in Mechatronic Engineering | ITE College West

JANUARY 2016 – MARCH 2018

- Graduated with GPA 3.9 with 3 Distinctions
- Best in Module for Microcontroller and computing
- Lee Kuan Yew Technology Award Recipient

▼ SKILLS

- Proficient in 3D CAD using Inventor & Solidworks
- Competent in 2D CAD using AutoCAD
- Proficient in PLC ladder diagram programming
- Proficient in programming using Arduino, ROS & Microsoft Visual C++
- Fluent in English (Spoken & Written)
- Fluent in Mandarin (Spoken)
- Proficient in Microsoft Word
- Proficient in Project Management.

▼ NOTABLE ACHIEVEMENTS

- **Cogito Champion Team. 2020**
 - Formed and led the team in design and mechanical fabrication
 - Designed a project that converts heat and light energy to electrical energy for residential use
- **Lee Kuan Yew Scholarship to encourage upgrading. 2018**
- **Lee Kuan Yew Technology Award. 2018**
- **Commendation and Good Presenter Award for Green Wave Environmental Care Competition. 2017**
- **International Science Enterprise Challenge Champion Team. 2017**
 - Led the team as a lead mechanical designer
 - Conceptualized a smart device that allows the user to keep track of their food
 - Presented the idea to the judging panel

▼ CO-CURRICULAR ACTIVITIES

Member of Rotaractors SP | Singapore Polytechnic

April 2019 – March 2020

- Volunteered for multiple community events.
- Help carry out Ad-Hoc duties

Secretary of Mechatronics & Robotics Club | ITE College West

April 2017 – March 2018

- Oversaw projects submission for competitions
- Prepared Logistics for events

▼ REFERENCES

- Dr Lim Chee Kian from Singapore Polytechnic (Course Chair)
 - lim_chee_kian@sp.edu.sg
 - 9760 9620
- Mr Tan Tuan Kiat from Singapore Polytechnic (Senior Lecturer)
 - TAN_Tuan_Kiat@sp.edu.sg
 - 9786 5234