



*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.



## 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



## 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

- Led a team of four
- Designed an office transporter using Inventor and AutoCad
- Programmed a code to allow transporters to navigate through obstacles using ROS
- Liaised with Supervisor and partnering company
- Contacted supplier for materials and components



## 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 & Microsoft Visual C++
- Fluent in English (Spoken & Written)
- Fluent in Mandarin (Spoken)
- Proficient in Microsoft Word
- Proficient in Project Management.



## NOTABLE ACHIEVEMENTS / AWARDS

- **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
  - [lim\\_chee\\_kian@sp.edu.sg](mailto:lim_chee_kian@sp.edu.sg)
  - 9760 9620
- Mr Tan Tuan Kiat from Singapore Polytechnic
  - [TAN\\_Tuan\\_Kiat@sp.edu.sg](mailto:TAN_Tuan_Kiat@sp.edu.sg)

- 9786 5234