



SILVANUS SNG

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



OBJECTIVE

To obtain an Intern position, as a hardware development at Rohde and Schwarz who is able to assist in development of power electronics for power supply products, while learning something new.



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
 - 9760 9620
- Mr Tan Tuan Kiat from Singapore Polytechnic
 - TAN_Tuan_Kiat@sp.edu.sg
 - 9786 5234