Seow Sin Kiat (Singaporean)

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EDUCATION

Singapore University of Technology (SUTD)   **Sept 2020 - Present**
- Bachelor of Engineering (Engineering Product Design)
- Expected date of graduation: May 2025

Temasek Polytechnic   **April 2014 - May 2017**
- Diploma in Computer Engineer
- Director's List for year 2014/2015 (top 15% of the course)

ACADEMIC PROJECT / ACADEMIC RESEARCH PROJECT

Temasek Polytechnic, Singapore   **April 2016 – Sept 2016**
Final Year Project (FYP): Mobile Robotics
- Worked in a team of 2
- Designed algorithms for robots to sort colour objects, collect, serve, return trays, and dispose utensils autonomously with LabView and Arduino.
- Achieved Bronze Medal in WorldSkills Singapore 2016

SUTD, Singapore   **March 2019 – Dec 2021**
Project Title: Quantum Cryptography
- Led a team of 6
- Built a teaching kit to simulate Quantum Cryptography using BB84
- A teaching kit is successfully implemented at a cost that is three times less than that of a commercial product.

LEADERSHIP / CO-CURRICULUM ACTIVITIES / VOLUNTEERISM

National Police Cadet Corps (NPCC), Senior Cadet Inspector   **Dec 2013 – March 2022**
- Involving actively in nurturing secondary school students (cadets)
- Mentoring and conducting training for 50 cadets during weekly training
- Led a team of instructors to organise 3 days and 2 nights camp for 100 cadets; ensured smooth execution of the camp.

SUTD Organization of Autonomous Robotics (SOAR), Team Lead   **Sept 2020 – Present**
- Led a team of in designing and building a 6 degrees of freedom robotic arm to prepare a meal
- Designed and built playfield for RoboClash 2022 (SOAR organised robotic competition)
- Assist in planning for RoboClash 2022

WORK EXPERIENCES

Ecquaria Technologies Pte Ltd, Software Developer   **Apr 2017 – Jul 2017**
- Assist with database migration
- Assist with the training of users on the new web system.

SKILLS / COMPETENCIES

Language Skills: Fluent in English and Chinese (Mandarin)

Software Application Skills: Proficient in Microsoft Office, Visual Studio, NetBean, Android Studio, Arduino, LabView, Eagle, MPLAB IDE, MPLAB-X IDE, Google Sketch, Slicer, Raspberry Pi, Linux, Fusion 360, CST Studio Suite.

Programming Skills: Proficient in scripting and writing programs using C, C++, C#, VB, SQL, Web Service (SOAP, JSON), HTML5, CSS3, JSP, JavaScript, ASP.Net C#, Java, Android Development, Graphical Programming (LabView), Python.