

GLOSSARY

SCARA Selective Compliance Articulated Robot Arm



REFERENCES

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CURRICULUM VITAE

Brandon Matthew Saerang

A dedicated and quick-witted student who is willing to gain new knowledge and experience throughout many entities.

EXPERIENCES

Repair Engineer

Wansortec GmbH – Gevelsberg, Germany

- 03 / 2022 – 07 / 2022
 - Performed set-up, calibration, testing and troubleshooting of circuits, components and mechanical assemblies.
 - Inspected equipment and systems to identify issues and report problems for repair.
 - Interpreted manuals and manufacturer instructions to assemble, install and troubleshoot devices.
 - Inputted repair status on spreadsheets to use and discuss in department quality review meetings.
 - Collaborated with engineers and other professionals on technical tasks and complex repairs.

Mechatronics Engineer

Bastler Indonesia – Tangerang, Indonesia

- 09 / 2020 – 10 / 2020
 - C++ programming for Arduino.
 - 3D design via Solidworks.
 - PCB design as well as manufacture the PCBs
 - Electrical components assembly into the PCB via soldering
 - Electric panel wiring and tracing
 - Mechanical assembly
 - Met production targets and schedule via quick order processing and handling.

EDUCATIONS

2023

Bachelor of Mechatronics Engineering
Swiss German University – Indonesia

2023

Bachelor of Mechatronics Engineering
South Westphalia University of Applied Sciences – Germany

2019

Highschool
Jubilee School – Jakarta


SKILLS


- Programming (C++, Python, PLC Ladder, CNC)
- Mechanical design solutions
- 3D Design (Solidworks, CAD)
- Prototype building
- Circuit Design (Proteus, Ni-Multisim, Fritzing)
- Engineering research
- Ms Office
- Electro-mechanical development
- Circuit diagram interpretation

ORGANIZATIONAL EXPERIENCES

- Vice Head, Mechatronics Student Council 2021 Swiss German University
- Head, Mechatronics Day 2021 Marketing Division
- Vice Head, Mechatronics Day 2020 Marketing Division
- Member, Mechatronics Day 2019 Program Division
- Head, Student Council Team Building 2020 Event Division Swiss German University
- Head, Student Organization Election 2019 Event Division Swiss German University



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LANGUAGES

Indonesian : First Language

English : Fluent

Chinese (Mandarin) : B1 (Intermediate)

German : B1 (Intermediate)