

GLOSSARY

LIDAR	-	Light Detection and Ranging
AMR	-	Autonomous Mobile Robot
ROS	-	Robot Operating System
RTAB-Map	-	Real-Time Appearance-Based Mapping
RGBD	-	Red, Green, Blue, Depth Image
RAM	-	Random Access Memory
IMU	-	Inertial Measurement Unit
IR	-	Infrared
ToF	-	Time of Flight
SLAM	-	Simultaneous Localization and Mapping
RTOS	-	Real-Time Operating System
EOL	-	End of Life
I/O	-	Input/Output
LTS	-	Long Time Support
YOLO	-	You Only Look Once

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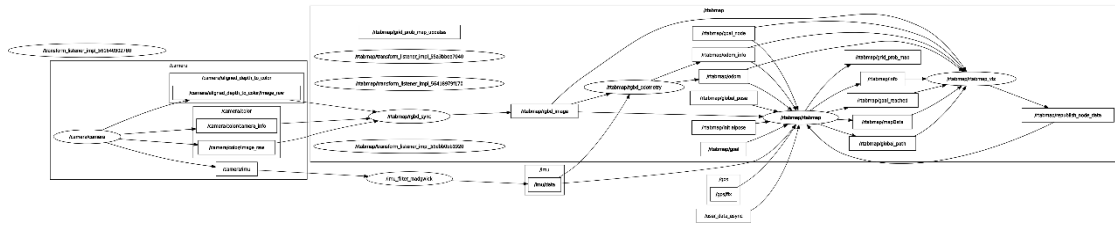
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APPENDICES

APPEDIX 1 – Node Graph of RealSense with RTAB-Map



CURRICULUM VITAE

Personal Data

Name : Jerryko Melvinton
Place of Birth : Jakarta
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Education:

Since 2019 Swiss German University, Indonesia Bachelor of Engineering in
Mechanical Engineering, Mechatronics Concentration
2016-2019 Jubilee School (Senior High School)
Major: Science
2012-2015 Jubilee School (Junior High School)
2006-2012 Jubilee School (Elementary School)

Experiences:

Internships:

March – August 2023 SMS Group GmbH
Focus: Technical Services
September – Desember 2020 Swiss German University
Focus: Human Machine Interface

Training:

2020 - 2023 Akademi Teknik Mesin Industri (ATMI) in Cikarang,
Indonesia
Activities: Benchwork Electric and Mechanic, PCB Design,
Safety Technic, Welding, Conventional Turning and Milling,

Organization:

2020-2021 Head of Design for the 'Mechatronics Day' event
2021 Member of Communications Department in Mechatronics
Student Union at Swiss German University
February – November 2020 Vice Head of Design for the 'Mechatronics Day' event

Languages:

- Indonesian – Mother Tongue
- English – Fluent
- German – Basic A2.1

Computer Knowledge:

- Human Machine Interface – Programming
- Solidworks
- Autocad
- Microsoft Office (Word, Excel, Powerpoint)
- Fluidsim
- Multisim
- ROS (Robot Operating Platform)
- Proteus
- QtCreator
- Fusion 360
- Arduino
- RTAB-Map
- CorelDraw2017

Hobby and Interest:

- Programming
- Mechatronics
- Diving
- Travelling
- Robotics
- Swimming
- Football
- Badminton

Jakarta, 18 June 2023



Jerryko Melvinton