

Haryanto S.T., M.Sc.

Software Engineer



Contact



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I am an ingenious and determined software engineer with over 2 years of experience. Hardworking and enthusiastic, with a strong interest in Artificial Intelligence (AI) and Computer Vision research. Adaptable and can interact effectively in a teamwork environment, resulting in faster work progress. Working under pressure is something I'm used to, and always eager to learn new things to improve my skills.

Education

2013

University of Bengkulu

Bachelor's degree - Mechanical Engineering

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2018

2019

Ming Chi University of Technology

Master's degree - Electronic engineering

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2020

Language

Indonesian Native speaker

English Fluent

Capabilities and skills

Professional

Project plan

Task management

Teamwork/ collaboration

Problem solving

Good communication

Personal

Leadership

Critical thinking

Adaptability

Self-control

Optimism

Technical skills

Office

Ms. Word, Ms. Excel,
Ms. PowerPoint

Programming language

Python, C++, Matlab

IDE development

VS Code, PyCharm,
google colabs, Jupyter
notebook, Docker

Version control

Git, GitHub, GitLab

Wrapper tools

Ctypes, Pybind11

Operating system

Linux, Raspery OS,
Windows

User interface app
design

PyQt, Tkinter (desktop
app)
HTML, Markdown, CSS
(Web Based)

Software 3D design

Tinker CAD, Inventor,
Fusion 360

AI Framework

CNN, Mask R-CNN,
YOLO

Digital Image
Processing

OpenCV, Moildev SDK,
Camera calibration,
Fisheye image
Processing, Image
recognition, and related

Achievement

Global Project Based Learning

“Campus delegation to learning about software programming based on IoT (internet of Things)”

Dong A University - 2020/Vietnam

Transcultural Humanities Summer Camp

“Participants in transcultural humanities activities to introduce culture in Taiwan”

Tzu Chi University of Science and Technology
- 2019/Taiwan

First price Teaching assistant

“Get the first price from teaching assistance competition held by the college of engineering, MCUT”

Ming Chi University of Technology -
2019/Taiwan

Project Internship from TEEP@Asia plus

“Awarded project internship from teep@asia plus during 3 months in MCUT”

Ming Chi University of Technology -
2018/Taiwan

Work Experience

Feb 2021 - Now Ming Chi University of Technology
Research Engineer

Sept 2018 - Dec 2018 PT. PAC Engineering
Technical support

Sept 2018 - Dec 2018 PT. Bukit Asam Tbk (PTBA)
Student internship

Project Experience

2022	Classification image Apps using deep “Develop apps to training multiple class of image for image classification using CNN”
2021 - Now	Monocular Visual Simultaneous localization and mapping (SLAM) using fisheye lens
2021	MOIL Apps: a sophisticated fisheye image processing application
2021	MOIL API: simplify the development plugin applications for MOIL Apps
2021	Monocular Visual odometry Using Multiple View from single fisheye image
2021	Develop apps for control intel T-265 camera to create visual odometry dataset
2020	Colonoscopy Apps: Create a better perspective on the colonoscopy image and close to the common human visual perception.
2020	Lumen detection using Mask R-CNN
2020	Create module for streaming camera using raspberry pi that can access through internet
2020	Portable Learning Environment (PLE) Using Docker and Jupyter Notebook for Teaching a Programming Course
2020	Classroom management system: provide virtual machine (VM) for more than 40 students in class for teaching the Linux operating system OS using Docker
2019	Build wrapper Moildev SDK to python: Moildev SDK was originally build by C++ to take the advantage of speed computation.
2018	Design of prototype control system of 4-dof (degree of freedom) manipulator arm robot as object transfer based on color using visual sensors

Organization experience







2020 -	Vice president Indonesian Student Association in Taiwan (ISA-Taiwan)
2021	Delegate of ISA-Taiwan at 13 th OISAA's International Symposium 2021
2019 -	Vice chairman of Indonesia student association in Ming Chi University of Technology
2015 -	Member of Assistant Design and Construction Laboratory in Mechanical Engineering, Bengkulu University
2017	Chairman of the Basic Education (basic orientation) Committee of Perkumpulan Konservasi Alam Teknik (Pulkanik)
2016	Temu Wicara dan Kenal Medan (TWKM) held by <i>Pencinta Alam</i> Students Indonesian Moslem University (MAPALA UMI), Makasar

Training And Seminar

2022	One of Instructure at AI workshop between MCUT and UNAND using online platform
2020	Presented paper on the 4 th International Conference on E-Society, E-Education, and E-Technology (ICSET 2020) with title "Portable Learning Environment (PLE)Using Docker and Jupyter notebook for Teaching a Programming Course"

2016	National Advocacy and Environment Training held by <i>Mahasiswa Hukum Pecinta Alam</i> (Mahupala)University of Bengkulu
2016	National Seminar with Ricky Elson and Paris El Hakim with the theme of Innovating for Independent Technology held by Mechanical engineering Student Association, Bengkulu University
2015	Development of Conservation Cadres and Nature Lovers Groups by <i>Badan Konservasi Sumber Daya Alam</i> (BKSDA), Bengkulu

Interest

		Traveling
		Hiking
		Coding
		Sport
		Volunteering
		Listening to music