# Haryanto S.T., M.Sc.

*Software Engineer*



## Contact

| | | |
|---|---|---|
| 🏠 | \| | No. 84, Gongzhuan Rd, Taishan District, New Taipei City, Taiwan, 243 |
| ✉ | \| | Haryanto462@gmail.com |
| 💻 | \| | Anto112.github.io |
| in | \| | www.linkedin.com/in/haryanto-b05334ab |
| ⦿ | \| | https://github.com/anto112 |
| 📞 | \| | +886 973 448 264 |

My name is haryanto, and I was born on February 12, 1996, in Tanjung Harapan, Indonesia. Experienced software engineer with a master's degree in image processing software development from the faculty of electronic engineering. Working under duress is not a problem for me, and I can communicate and interact effectively in a teamwork environment. I have a strong desire to learn about new technologies in order to keep up with it.

## Education

**2013 - 2018**

### University of Bengkulu
*Bachelor's degree - Mechanical Engineering*

**2019 - 2020**

### Ming Chi University of Technology
*Master's degree - Electronic engineering*

## Language

| Indonesian | Native speaker |
|---|---|
| English | Fluent |

## Capabilities and skills

| Professional | Personal |
|---|---|
| Project plan | Leadership |
| Task management | Critical thinking |
| Teamwork/ collaboration | Adaptability |
| Problem solving | Self-control |
| Good communication | Optimism |

## Technical skills

| | |
|---|---|
| Office | Ms. Word, Ms. Excel, Ms. PowerPoint |
| Programing 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, Raspy 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 programing 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 moths 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

| Year | Project |
|---|---|
| 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 - 2021 | Vice president Indonesian Student Association in Taiwan (ISA-Taiwan) |
| 2021 | Delegate of ISA-Taiwan at 13th OISAA's International Symposium 2021 |
| 2019 - 2020 | Vice chairman of Indonesia student association in Ming Chi University of Technology |
| 2015 - 2018 | 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 *Pencinta Alam* 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 4th 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 *Mahasiswa Hukum Pecinta Alam* (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 *Badan Konservasi Sumber Daya Alam* (BKSDA), Bengkulu |

## Interest

| | | |
|---|---|---|
| 🛫 | \| | Traveling |
| 🥾 | \| | Hiking |
| 👨‍💻 | \| | Coding |
| 🤾 | \| | Sport |
| ✴️ | \| | Volunteering |
| 🎵 | \| | Listening to music |