



# NATTHAPHOP PHATTHAMOLRAT

## APPLICATION ENGINEER

### CONTACT

+66834956599

natthaphop.phat@gmail.com

### EDUCATION

#### KING MONGKUT'S INSTITUTE OF TECHNOLOGY

##### LADKRABANG

2019-2023

- Master of Advanced  
Manufacturing System  
Engineering

#### KING MONGKUT'S INSTITUTE OF TECHNOLOGY

##### LADKRABANG

2014-2018

- Bachelor of Manufacturing  
System Engineering
- GPA: 2.52 / 4.0

### SKILLS

- Machine Vision : 2D cameras,  
industrial vision systems, OpenCV,  
Merlic Halcon, Cognex, 3D camera
- Programming: Python, C++, C#, ROS
- Deep Learning & AI: PyTorch, YOLO
- Robotics: Yaskawa, Robot Guidance  
Systems
- Effective Communication
- Critical Thinking

### LANGUAGES

- Thailand (native)
- English (Intermediate)

### PROFILE

Application Engineer with expertise in 2D vision camera systems, 3D camera, machine vision, and industrial automation. Strong background in image processing, computer vision, and deep learning with hands-on experience in integrating and troubleshooting vision systems in industrial environments. Passionate about optimizing automation processes and delivering high-performance solutions.

### WORK EXPERIENCE

#### Robot System

2023 - PRESENT

##### Application Engineer

- develop software based on the c# programming language to control I/O and communicate with Mitsubishi PLC for deep learning vision inspection.
- designed and deployed 2D vision systems for quality inspection, defect detection, and part identification.
- setup and test hardware for vision system inspection select camera, lens and lighting.
- using Mech Mind 3D camera for robot pick and place project
- Train customers and create test reports of parts received from customers.
- provide technical support together with sales staff at the customer's site.

#### CiRA Robotic

2019-2023

##### Engineer

- create a program from a low-code platform to serve end user in their project
- using image processing and deep learning tools for the project in the field of automotive, manufacturing, and mining industry
- work on Proof Of Concept (POC) presale project
- program robot by using ROS to do a project image guide robot
- develop software based on C++ programming language to work on machine vision measurement and object detection project