

Panitan Pancharkan
Robotic Engineering and Automation System
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EDUCATION

VOCATIONAL

2014 – 2017 Pre-Electrical Engineering at Rajamangala University of Technology Lanna

BACHELOR'S DEGREE

2017 – 2021 Robotics Engineering & automation systems at King Mongkut's University of Technology North Bangkok

MASTER'S DEGREE

2022 – present Production Engineering at King Mongkut's University of Technology North Bangkok

EXPERIENCE

UNIVERSITY ACTIVITIES

- 2018 VICE-PRESIDENT at 3K Cheer Engineering KMUTNB
- 2019 PRESIDENT at Activities & Education Society of Engineering

WORK EXPERIENCE

- 2016 Pre-Engineering intern at Electricity Generating Authority of Thailand
- 2020 Engineering intern at Thai Embedded System and Robotics
- 2021 – 2022 Embedded Systems & Application Engineer at Thai Embedded System and Robotics

RESEARCH

- 2017 Quadcopter drone for weather information with ArduPilot
- 2022
 - Machine vision with Robotics arm
 - Machine vision with Robot Operating Systems (ROS)
 - Robot Operating Systems (ROS) on web with Django
 - 3D mapping using Depth with Robot Operating Systems (ROS)
- 2022 – present
 - Machine vision for measurement
 - Autonomous Mobile Robot with Robot Operating Systems (ROS)
 - Autonomous Underwater Vehicles (AUV)
 - Underwater machine vision

OTHER

- 2022 – present
 - Trainer of Robot Operating Systems (ROS)
 - Home server management for multimedia with Proxmox and container.

SKILLS

TECHNICAL

- **Programing and related** – PYTHON / C / C# / C++ / Visual Basic / .net / Robotics / Robot Operating Systems / Machine vision / OpenCV / EmguCV / Android / ARDUINO / MATLAB / LabVIEW / Assembly Language / JAVA / HTML / HTML5 / PHP / Django / Flask / Docker / Server management / Network management / Virtual machine / PLC / CAD / CAM
- **Other** – Microsoft Office / Photo editing / Video editing

INTERPERSONAL

- Team communication / Leadership / Problem solving / Public speaking / Critical thinking / Humility / Respect

LANGUAGE

- **Thai** – Native
- **English** – For work and everyday life
 - **K-StEP 71/100**