

# TAWAN HOHUM



Energetic, motivated and responsible with two years experience in Industrial Internet of Things application development (full stack developer), computer network (routing & switching) and network security.



Hiso Place (A712) 99 moo 17, Khlong Nueng, Khlong Luang, Pathum Thani 12120



(+66)8 3591 5237



hh.tawann@gmail.com



tawanmeow

## WORK EXPERIENCE

### ○ JUNE 2020 - JUNE 2022

National Electronics and  
Computer Technology  
Center (NECTEC)

### RESEARCH ASSISTANT - CENTER FOR CYBER-PHYSICAL SYSTEMS (CPS)

- Detected model of Internet of Things devices using machine learning.
- Designed network, configured and maintain switches, servers, router and KVM in CPS' data center
- Penetration tested Internet of Things devices.
- **Industrial Internet of Things and Data Analytics Platform (IDA Platform)**
  - Designed and developed modbus reader web application for uRCONNECT and MELSEC C Intelligent
  - Designed, simulated and tested IDA Platform's Wi-Fi and LAN network.
  - Configured and tested Cisco industrial routers and Cisco IOx
  - Configured and tested rule and policy, configured and tested Palo Alto Firewall, Palo Alto Cortex Data Lake and Palo Alto IoT Security.
  - Configured and tested Siemens IoT2050 Gateway.

## INTERNSHIP & COOPERATIVE EXPERIENCE

### ○ DECEMBER 2019 - MARCH 2020

National Electronics and  
Computer Technology Center

### CENTER FOR CYBER-PHYSICAL SYSTEMS

- Designed, installed and configured Internet of Things security testbed.
- Captured and analyzed packets from Internet of Things devices.
- Attacked IoT device using hardware hacking and network hacking.

### ○ MAY - JULY 2019

Office of Digital Technology,  
Khon Kaen University

### COMPUTER NETWORK & COMMUNICATIONS DEPARTMENT

- Installed, maintained and repaired fiber optic cables, switches, access points and routers in Khon Kaen University.
- Assembled, installed and monitored servers for Khon Kaen Smart City project.
- Designed some part of the new Wi-Fi network of Khon Kaen University.

## CERTIFICATE

### COMPTIA

PenTest+  
February 2022

## EDUCATION

### BACHELOR OF ENGINEERING

Computer Engineering, Khon Kaen University  
2016 - 2020

## SKILLS

**NETWORK DEVICES CONFIGURATION** : Cisco, Aruba/HPE, MikroTik, Palo Alto

**PROGRAMMING LANGUAGES** : Python, Javascript, HTML, CSS, C++

**AUTOMATION PROTOCOL** : Modbus

**OPERATING SYSTEMS** : Kali Linux, Ubuntu/Debian

**OTHER** : Docker, MySQL, Node-red, NETPIE 2020, Proxmox VE, Tenable