WATTANACHAI PHAKUM

ELECTRICAL ENGINEER

Detail-oriented Electrical Engineering graduate currently pursuing a Master's in Robotics Engineering. Proficient in control systems, circuit design, and programming (Python, Ladder, ROS). Passionate about bridging the gap between hardware and intelligent software to develop advanced automation solutions. Eager to contribute technical expertise and analytical skills to the engineering team

📞 094-485-5675

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🏠 61/16 m.15 Khlong Nueng, Khlong Luang District, Pathum Thani 12120

EXPERIENCE

Maintenance Engineer   2022 – 2025
Inoue Rubber (Thailand) Public Company Limited

- Performed preventive and breakdown maintenance on industrial machinery, ensuring minimal downtime.
- Troubleshot and modified Mitsubishi PLC (Gx Works2/3) logic to optimize production line efficiency.
- Analyzed electrical circuit diagrams to identify root causes of machine failures.

EDUCATION

Master of Engineering in Robotics and Automation (Ongoing)
King Mongkut's University of Technology Thonburi (KMUTT)
Relevant Coursework: Computer Programming for Robotics, Control Systems (PID)

Bachelor's Degree in Electrical Engineering
Kasetsart University, Graduated April 2022

High School in Science and Mathematics Program
Suankularbwittayalai Rangsit School, Graduated 2018

ACADEMIC PROJECTS

Automated Planting Robot (CNC-Based System)

- Designed and built a 3-axis Cartesian robot using Stepper Motors and Microcontrollers.
- Developed control algorithms for precision positioning.

PORTFOLIO

- **Date of Birth:** 14 June 1999 (26 years old)
- **Weight:** 67 kg. **Height:** 171 cm.
- **Nationality:** Thai
- **Military Status:** Exempted (Finished Military Service Training of Territorial Defence Course)

SKILLS

- **Control & Automation:** Mitsubishi PLC (GX Works2/ GX Works3, Function Block), HMI, PID Control, Wiring Diagram
- **Embedded Systems:** Microcontrollers (Arduino, ESP32, STM32), Motor Drivers (Stepper/Servo), Power Distribution
- **Design & Programming:** Solid Edge, Python, C/C++, ROS (Robot Operating System)

LANGUAGES

- Thai (Native)
- English (TOEIC 455)