



LANG BANDITHVIPHO

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kilometer 6 market, Russey Keo, Phnum Penh, Cambodia

ABOUT ME

I am graduated with a Bachelor of Engineering degree in Electrical Engineering from Institute of Technology of Cambodia, specializing in Electronic and Automation, with a strong interest in Robotic and AI fields, includes computer vision, deep learning, and AI for real-world applications. I wish to participate and share my knowledge in related fields, contribute to industries, education, and technological community. I'm self-motivated, hard-working, strong in commitment, reliable, honest, flexible, respectful of time, and responsible on the job.

WORK EXPERIENCES

National Chung Cheng University, Taiwan (CCU) (2023, 03.March - 2023, 30.July)

- Position: Research Internship
- Duration: 4 months
- Topic: Multiple Hypotheses Fusion-Based Approaches for 3D Human Pose Estimation
 - Designed a deep learning-based fusion network for fusing multiple 3D human pose hypotheses, enhancing 3D human pose prediction.

AI Farm Robotics Company (01.08.2024 - 01.11.2024)

- Position: AI Engineering Internship
- Duration: 3 months
- Project: Sim-To-Real Reinforcement Learning for Robot Navigation
 - Used reinforcement learning-based approach to train robot self-navigation from current position to a predefined target point with unknown Environment.
 - Using ROS2 and Gazebo world for training robot, then deploy model on real robot.

AI Farm Robotics Company (01.08.2023 - 01.11.2023)

- Position: AI Engineering Internship
- Duration: 3 months
- Project: Robot Navigation using ROS2 and Nav2 framework
 - Create Gazebo and Rviz environment, scan map using slam toolbox.
 - Integrated Path Planning and Path Tracking for differential robot navigation.

SKILLS AND COMPETENCE

AI/Deep Learning	●●●○○	C\C++	●●○○○○
ROS/ROS2	●●●○○	IoT/Embedded Electronic	●●●○○
Python	●●●○○	English Certificate	IELTS: 5.5

EDUCATION BACKGROUND

Electrical Engineering	(2020 - Present)
<ul style="list-style-type: none">Institute of Technology of Cambodia	
High School Diploma	(2020)
<ul style="list-style-type: none">Husen Stung Treng High School	

EXTRA-CURRICULAR ACTIVITIES

Kayvika, Cambodia sign language Translation App	(01.09.2024 - Present)
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- Position: Led project
- Project: Kayvika, Cambodia sign language Translation App
 - Developed a Cambodia sign recognition model using deep learning-based approach, enabling real-time translation of signs into text and speech.
 - Goal: To empower Cambodia's deaf community through real-time sign language translation, fostering inclusive communication in education, workplaces, and public spaces.
- Achievement:**
 - Business Model Competition, Cambodia (BMC) (2025)
 - Digital Tech Award, Trip to San Francisco, United States of America
 - Unipreneur Competition, Cambodia (2024)
 - Top 6 National Award
 - Techno-Innovation Challenge Cambodia (2024)
 - Top 8 Award

Asia-Pacific Robot Contest (ABU Robocon Competition)	(2023-2024)
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- Position: Led Programming Team (MR2:Automatic Robot)
 - ROS2-based control system for autonomous ball-collecting robot, Implemented deep learning (YOLOv8) for real-time detection, enabling the robot to autonomously collect balls and deposit them into silos.

Alternative wetting and Drying (AWD)	(2023)
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- Position: Co-leader
 - Developed prototype of IoT system-based real-time monitoring in rice fields, by using sensor to measure water level under ground and transmit data into Telegram Platform.
 - Achievement:** Top 8 Award in Techno-Innovation Challenge 2023
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REFERENCE

- Mr. CHOU koksai
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