



Theara SENG

Lecturer

03 September 1996

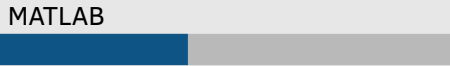
Cambodia

+855 98 240 840

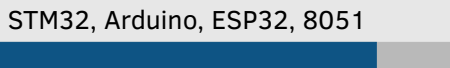
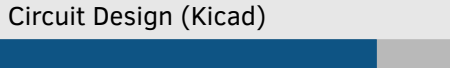
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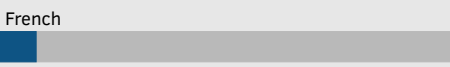
Programming Skills



Skills



Language



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Education

2012-2015	High School 10 January 1979 High School	Cambodia
2015-2020	Bachelor (Electronics and Automation) Institute of Technology of Cambodia (ITC)	Cambodia
2021-2022	Master MARS (Mobile, Autonomous, and Robotic Systems) Grenoble INP-ENSE3	France

Working Experiences

2018-2019	Ministry of Public Works and Transport Traffic Solving in Phnom Penh City	Software Simulator
2019-2020	Sabaicode Teaching Electronics and Robotics	Mentor
2020-2021	Institute of Technology of Cambodia Sensor Fusion of a Mobile Robot In Agriculture	Assistance Lecturer
2020-2021	Cushybots Mobile Robot to remove the Land Mine	Programming and Electronics
2021-2022	Visual Behavior Navigation of a Mobile base on the depth Camera	Robotics Engineer
2022-2024	Institute of Technology of Cambodia Teaching various Subject related to Robotics and Embedded System	Lecturer
2025-Present	American University of Phnom Penh Teaching Robotics and IOTs	Instructor

Achievements

2012	3 rd Place Physic Outstanding Student Grade 9
2015	3 rd Place Physic Outstanding Student Grade12
2018	1 st Place Lego Mindstorm Competition for the Exchange Program with Japan Universities
2018	1 st Place of the 5 th Cambodia Robocon Competition
2018	3 rd Place of Asia Pacific Robocon Contest 2018
2019	3 rd Place of the Robotics Underwater Competition
2023	1 st Place of the MRC competition (Rainfall) at Vientiane, Loas.
2025	1 st Place of the Cambodia Robotic Olympiad competition (Mentor)
2026	2 nd Place of the EGEN IOT Competition

Experiences

2017	Autonomous four-wheeled mobile robot developed with a French volunteer (École Centrale de Paris)
2018	Development of two mobile robots to participate in ABU Robocon 2018 in Vietnam
2019	Autonomous four-legged robot for participation in the National Robotics Competition in Cambodia
2020	Navigation of an autonomous robot using the Robot Operating System (ROS)
2021	ROS-based mobile robot for landmine detection and removal in Siem Reap Province
2022	Depth estimation and navigation of a mobile robot using a RealSense camera
2023	Development of a ROS2 navigation package using the A* algorithm and a P controller for TurtleBot3
2023	Led students in developing two autonomous mobile robots for ABU Robocon
2024	Exploration of TurtleBot3 navigation using Raspberry Pi 5
2025	Led students in developing an autonomous car using depth estimation for wall-following and YOLO for color detection to participate in the World Robot Olympiad
2026	Led students in developing a robotics project using a CNC machine with machine learning for fabric defect detection