Htet Wai Yan
Roboticist

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○ https://github.com/gyiptgyipt

https://gyiptgyipt.github.io/

SKILLS
- Programming
- Computer Science and Engineering
- Embedded Engineering
- Software Development
- Real-Time Operating System (RTOS)
- Robot Simulation
- Artificial Intelligence
- Robot Operating System
- Mathematics
- Electronics

INTERESTS
- Robot Navigation
- Autonomy
- Control Theory

HOBBIES
- Chess
- Table Tennis
- Speed Skating
- 3D-Printing Designs

COURSES
- The Linux Foundation
- Robot Operating System
- System administration
- Real-TIme Operating System
- Electronics Components and Their Uses

PROFILE
Robotics engineer with industry experience at **ROM Dynamics Robotics**, where I work on building and improving robotic systems. Skilled in designing mechanical and control systems, programming with Python and C++, and working with tools like ROS2, Artificial Intelligence and embedded hardware. I enjoy solving real-world problems through robotics and want to deepen my knowledge through university studies. Interested in intelligent systems, automation, and human-robot interaction.

EXPERIENCE

Robotics Engineer (April 2022 - Present)
- Worked on the development of navigation systems for autonomous robotic platforms, focusing on real-time localization, path planning, and sensor fusion. Integrated IMUs, LiDar, GPS and vision system for reliable mapping and controlling movement.
- Robotics Software Development that is based on QT.
- Focused on SLAM, obstacle avoidance, autonomous braking system and system-level performance tuning.

Computer Service
(October 2019 - March 2020)
Both hardware and software of computer services in I-Campus Computer Center.
- Diagnosed and repaired issues on desktops, laptops.
- Installed and configuration operating system and drivers. essential softwares.
- Provided technical support to clients, both in-person and remotely.