Monruethai Sueksakan – CV

San Pietro in Cariano, Verona, Italy
Mobile: +39 346 7154759
Email: chompoo@hotmail.it
LinkedIn: linkedin.com/in/monruethai-sueksakan
Website: https://mimigatto.github.io
Nationality: Italian (EU citizen), eligible to work in the EU/Schengen.
Driving Licence: B
Availability: Immediate – available to relocate internationally

Profile

Recent graduate (2025) with a Master's Degree in Computer Engineering for Robotics and Smart Industry. Actively pursuing early-career opportunities in advanced robotics, 3D perception, GPU-accelerated systems, and real-time spatial intelligence. Practical experience in robotics maintenance, computer vision, simulation, and CUDA-based parallel computing. Eligible for university/early-career and research-driven internship programs.

Technical Skills (Robotics & GPU)

GPU / Parallel Computing: CUDA programming, GPU memory management, parallel algorithms, optimization.
Robotics: ROS, ROS2 (basic), ABB RobotStudio (RAPID), robotic manipulation basics, robot control.
3D Perception & Computer Vision: OpenCV, PyTorch, image processing, feature extraction, basic 3D reconstruction workflows.
Simulation: Gazebo, ns-3, ABB RobotStudio; familiar with Isaac Sim / Isaac Gym.
Programming: Python (advanced), C++ (intermediate), C, MATLAB.
ML/AI: Fundamentals of deep learning, dataset preparation, evaluation metrics.
Operating Systems & Tools: Linux (Ubuntu/Kali), Git/GitHub, Docker.

Projects

CUDA Parallel Computing Project (GitHub)

Developed GPU-accelerated parallel algorithms using CUDA. Implemented thread optimization and memory management to improve computation speed for data-intensive tasks.

Robotics Simulation (ROS + Gazebo)

Designed and tested robotic behaviours in simulation, including perception, motion logic, and sensor integration.

Master's Thesis
Social Engineering and Smart Contracts – Vulnerabilities and Defenses in Industrial Applications.
Focused on cybersecurity architectures and industrial risk assessment.
Embedded Automation Prototype (STM32 / Arduino)
Designed a microcontroller-based automation system with C/C++ firmware.

Work Experience
2019 – Present – Robotics Maintenance Assistant / Presales Support
Robo Alive SRL – Italy
- Maintenance and troubleshooting of industrial robotic systems.
- Supported technical teams in optimizing robot performance and ensuring reliability.
- Assisted presales engineering activities for automation solutions.

Education
2020 – 2025
Master's Degree – Computer Engineering for Robotics and Smart Industry
University of Verona, Italy
2010 – 2012
Master's Degree – Cultural Linguistic Mediation, University of Verona
1999 – 2003
Bachelor of Science – Computer Science
Rajabhat Udon Thani University, Thailand

Languages
Thai: Native
English: C1
Italian: C1

Additional Information
- Immediate availability for relocation.
- Strong interest in robotics research, cybersecurity defenses system.