

# Monruethai Sueksakan – CV

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GitHub: [github.com/mimigatto](https://github.com/mimigatto)

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, including Switzerland.
- Strong interest in robotics research, GPU-accelerated computing, and perception systems.

*\*I authorize the processing of my personal data in accordance with EU Regulation 2016/679 (GDPR) and applicable Italian laws.*