



FOUAD SMAOUI

ROBOTICS AI SOFTWARE ENGINEER

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[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

[Medium](#)

PROFILE

Robotics AI Engineer, delivering cutting-edge solutions to turn your challenges into lasting success

KEY SKILLS

- **Software :** C++ , Python, OpenCV, PyTorch, AWS, Docker, Git
- **Middleware :** ROS / ROS 2, Gazebo, Simulink, Linux
- **Hardware :** STM32, NVIDIA Jetson, Raspberry Pi

PROFESSIONAL EXPERIENCE

UPWORK

Paris, France

Robotics & AI Solutions Creator

2025

- Architected a novel autonomous **drone landing system** on moving vehicles, leveraging robust engineering and **Physical AI** to enable advanced **navigation** in complex **real-world conditions**.
- Automated end-to-end business operations by deploying **AI agents**, streamlining multimedia production **pipelines** and financial **workflows**, enhancing efficiency and reducing manual workload.
- Launched a next-generation **AI-driven rental platform** with **semantic search**, enabling intent-based item discovery, reducing friction in the search process, and adapting to evolving user behavior.
- Created a **modular vision system** for an **industrial mobile manipulator robot**, integrating facial detection, virtual try-on, and landmark tracking to enhance **perception** in **robotic applications**.

ACCENTURE

Paris, France

Robotics Consultant

2023 – 2024

- Led the design of a cutting-edge **pick & place robotic solution**, integrating a **collaborative robot**, its **digital twin**, and advanced **planning algorithms** to optimize operational efficiency.
- Delivered **high-impact demonstrations** of **Physical AI** applications in **Industry X.0**, advancing technological transformation and driving **strategic partnerships** for Accenture.

UAVIA X PARROT

Vitry-Sur-Seine, France

Robotics Software Engineer

2022

- Enhanced **drone navigation** and **perception** by advancing **3D environment reconstruction** and **obstacle avoidance**, incorporating innovations from Parrot's technologies.
- Collaborated with research teams to integrate new **Physical AI** techniques, optimizing **drone performance** and **decision-making** in complex environments.

EDUCATION

ARTS ET MÉTIERS, THE GRANDE ECOLE OF TECHNOLOGY

Paris, France

Master Degree in Advanced Systems and Robotics

2022

UNIVERSITY OF BURGUNDY

Dijon, France

Master Degree in Electronics, Signal, and Image Processing

2021