Marc Anjaniaina RAVELONTSALAMA

Electrical-Electronic Engineering Student

🚩 Malagasy (Madagascar)

✉ marc.anjaniaina@gmail.com

📞 +905441512493 📍 Konya, Türkiye

in Marc Ravelontsalama

🧠 SKILLS

Teamwork | Leadership

Willingness to learn

Problem Solving

C/C++

Python

ROS2

Web Development
HTML, CSS and Javascript

Git

🌐 LANGUAGES

English ●●●●●○

French ●●●●●○

Turkish ●●●●○

Malagasy ●●●●●●

✏ INTERESTS

- Robotics
- Volunteering and community involvement
- Entrepreneurship
- Playing Piano

👤 PROFILE

Aspiring Electrical & Electronics Engineer with strong foundations in robotics, embedded systems, and microcontroller programming (PIC, Arduino, ESP32). Experienced in circuit design, automation projects, and building responsive web interfaces. Proven track record in robotics competitions and hands-on engineering projects. Logical, detail-driven, and committed to continuous technical improvement.

💼 PROFESSIONAL EXPERIENCE

Programmer and Robotics Trainee
ITRAS Group
11/2021 – 06/2022 | Antananarivo, Madagascar

- Collaborated with senior developers to learn electronics fundamentals and coding principles.
- Wrote efficient and robust code for data analysis and visualization.
- Developed optimized algorithms for path planning, and control systems.
- Designed and created microcontroller-based circuit boards for controlling sensors, motors and other actuators.
- Built maze-solving and line-following robots that demonstrated strong problem-solving and creative thinking skills

🎓 EDUCATION

Bachelor's Degree in Electrical and Electronics Engineering
Faculty of Technology, Selçuk Üniversitesi
09/2023 – present | Konya, Türkiye

High School Diploma, scientific option (Baccalauréat série C)
Lycée Privé Saint Joseph
10/2017 – 09/2021 | Antsirabe, Madagascar

- Graduated with **high honor (Magna Cum laude ― Mention Bien)**

📚 COURSES

Modern Robotics, Course 1: Foundations of Robot Motion ⤢
Northwestern University on Coursera
02/2023 | Online

- Mastered fundamental robotics concepts (configuration space, motion representation, rigid body motion)
- Applied linear algebra principles for efficient matrix operations using Python programming language.
- Gained practical experience with CoppeliaSim robot simulator.

HTML, CSS, and JavaScript for Web Developers ⬈
Johns Hopkins University on Coursera
07/2023 – 08/2023 | Online
- Built responsive, mobile-friendly web pages using Bootstrap components and grid layouts.

English for Science, Technology, Engineering, and Mathematics (STEM) MOOC ⬈
Online Professional English Network sponsored by the U.S. Department of State
05/2022 | Online
- Enhanced language proficiency and understanding of STEM topics through a certified online course.

🎗 AWARDS

First Prize of Madagascar Cup of robotics 2022 ⬈
STEM4Good Madagascar
18/06/2022
- Won 2 Gold Medals in a Line Follower Robots Competition.
- Set a national speed record for line-follower robots, demonstrating engineering and problem-solving skills.
- Participated as a member of the MTH team (Madagascar Technology Hub), a robotic club run by the ITRAS Group (an IT company).

Third Prize of MADA ROBOT CONTEST 2021
Robot Events Mada, with Ministry of Youth and Sport
24/10/2021
- Contest of creating helpful robot with the theme: "Why Robotics?".
- Designed an **automated plant-watering system** addressing agricultural sustainability which won the third prize.
- Formed a group in which I was the programmer and electronics technician.
- Gained teamwork and leadership skills.

🏠 VOLUNTEER & COMMUNITY ENGAGEMENT

Volunteer Work: Akany Felana Maitso Orphanage
ZAR'AIKO project by the NGO Aide Madagascar
10/2020 | Antananarivo, Madagascar
- Taught **English, Mathematics, and Computer Science** to 50+ orphans, improving literacy and STEM interest.

📁 PROJECTS

Madagascar's Robotic International Team 2021
Robotex International 2021 | Estonia
08/2021 – 11/2021
- Selected for the national team to represent the country at Robotex International 2021 (Robotic festival in Estonia), designed and built two functional robots. Unfortunately, due to lack of funding, the travel to Estonia was not possible.