



Walid Brini

1st-Year Engineering Student in Industrial Computing and Automation

Self-motivated, Autonomous & willing to participate in global and multicultural project with willingness to travel worldwide.

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📍 Tunis, Tunisia

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EDUCATION

Automation & Industrial Computing

National Institute of Applied Science and Technology (INSAT)

08/2019 - Present

Tunis

Courses

- Programming
- Control Systems
- Computer Vision
- Electronics

Baccalaureate Degree in Technical science

Pioneer High School of Sousse

08/2016 - 06/2019

Average 18,34/20

EXPERIENCES

Ventilator for covid patients prototype

National Institute of Applied Science and Technology

04/2020 - 05/2020

Tunis, Tunisia

Achievements/Tasks

- Experience modeling complex electromechanical systems is SolidWorks
- Design a Printed Circuit Board
- Work as part of an interdisciplinary team

Participation in EUROBOT2022

Aerobotix INSAT

11/2021 - Present

Tunis, Tunisia

Eurobot is an international amateur robotics contest open to teams of young people in which they build an autonomous robot.

Achievements/Tasks

- Build models and prototypes for an autonomous robot
- Hands on experience and familiarity with robotic systems
- Understanding of hardware and software systems for robotics

ORGANIZATIONS

AeRobotix INSAT (10/2019 - Present)

Training manager and active member

Ciné-Club (08/2018 - 08/2019)

CoFounder of a Cinema Club

SKILLS

Robotic Operating System	Linux
Control Systems	STM32 / Raspberry Pi
Programming	C / C++
Computer Vision	Python OpenCV
Sketching	Solidworks / EasyEda
Prototyping technologies	CNC and 3D printing

PERSONAL PROJECTS

3 Axis Robotic Arm

- Solidworks 3D modeling - Inverse kinematics

Object detection and color classification

- Detect plastic cups - Computer Vision (Open-Cv) - Raspberry Pi

Differential drive robot simulation using ROS

- Navigation Stack - Gazebo - Waypoint missions

Autonomous guided vehicle using ROS

- Pose estimation - Obstacle avoidance - Aruco detection

CERTIFICATES

Mechanical Design (CSWP-Mechanical Design)

Python for data science (Data-Camp)

LANGUAGES

French

Professional Working Proficiency

English

Professional Working Proficiency

Arabic

Professional Working Proficiency

Deutsch

Limited Working Proficiency

INTERESTS

Problem Solving

Graphic Design

Maths

Microcontrollers

Automation

Sports