


Antonio Bernardini

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EDUCATION

Tor Vergata University

Computer Engineering (Robotics and Automation)

Rome, IT

Present

IIS Enzo Ferrari Technical Institute

Electronics and Electrical for Automation

Rome, IT

Final Grade: 100/100

COURSEWORK

Courses: Algorithms & Data Structures, Linear Algebra, Calculus, Physics, Probability & Statistics, Electronics and Electrical Engineering, Control Systems Design, Operative Research, Signal Theory, Operating Systems, Robot Kinematics, Control of Production Systems.

PROJECTS

Cosmic Dust | *HTML, CSS, Javascript, GitHub, Google Cloud*

- Deployment: <https://cosmicdust.space>
- Open Source Code: <https://github.com/AntonioBerna/cosmic-dust>

Automated Parking | *C++, Python, Arduino Mega, Raspberry, Telegram Bot, GitHub*

- Open Source Code: <https://github.com/AntonioBerna/automated-parking>

Logic Gates LED Control using Neural Networks | *Python, Raspberry, GitHub*

- Open Source Code: <https://github.com/AntonioBerna/nn-rpi-logic-gates>

SKILLS

Languages: Python, C, C++, MATLAB, L^AT_EX, HTML, CSS, Javascript, SQL, Rust, Swift

DevOps: Git, GitHub, Docker, Heroku, Pythonanywhere, Linode, Google Cloud

Embedded: Arduino, Raspberry, ESP32, NI Multisim, Fritzing

Automation: TIA Portal

Robotics: ROS & ROS2, Webots, Gazebo

Web Frameworks: Django, Flask, Bootstrap

Operating Systems: macOS, Windows, all Linux distributions

Database: PostgreSQL, MongoDB

Virtual Machines: VirtualBox, QEMU

Audio & Video Editing: Audacity, OBS Studio, Kdenlive

HOBBIES

Manage my [YouTube Channel](#)