



Jon Aztiria

Energy Engineer w/ Robotics specialization



22/12/1999



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About me

Jon is an ambitious engineer who loves to be successful by following well-defined objectives. He wants to apply the acquired knowledge and add value to the industry to move towards a more efficient and sustainable society. Also, he enjoys constantly learning and he is always ready for new challenges. Jon likes teamwork since he believes that together we can move further. He has good communication and organizational skills and he likes taking the leadership when needed. He is open to travel or have an stay abroad since he considers a positive experience both for his personal and professional career.

Interests

Electronics | Robotics | Artificial Intelligence | Computer Vision

Education

- 2021-2023 Master of Science (M.Sc) in Robotics and Control Systems Mondragon Unibertsitatea, Spain
Specializing in Robot Programming, Robotic Control, Artificial Vision, Perception and Deep Learning.
- 2020-2021 Bachelor of Science (B.Sc) in Energy Engineering Mondragon Unibertsitatea, Spain
Specializing in Power Electronics, Energy Storage, Power Distribution Systems and Energy Efficiency.

Experience

- since 03/2024 Robotic integration engineer at Inria Sophia Antipolis, France
Autonomous navigation with trajectory definition, localization and re-play using non-linear control for the European Agrifood-TEF project at ACENTAURI research team.
- 04/2023-02/2024 Research assistant at Vicomtech San Sebastián, Spain
Research about Artificial Intelligence and Computer Vision projects such as abandoned objects detection and optical character detection at the Intelligent Video Analytics for Security department.
- 2022-2023 Master's Thesis at Lortek S.Coop. Ordicia, Spain
Subtle defects detection in shiny metal parts based on Photometric Stereo and a Deep Learning model.
- 2021-2022 Traineeship during Master at Lortek S.Coop. Ordicia, Spain
Modelling of robot trajectories and collision avoidance developed in ROS 2-Gazebo and MATLAB and co-simulation through the FMI standard.
- 2020-2021 Bachelor's Thesis at Mondragon Unibertsitatea Hernani, Spain
Analysis, design and implementation of a wide-bandgap semiconductor-based (SiC) power converter for wind energy.
- 2016-2020 Robotics teacher at Kode Eskola Hernani/Hondarribia, Spain
Teacher of robotics based on LEGO Mindstorms and Makeblock.

Languages

English (C1, CAE 2020) | French (basic) | Spanish (fluent) | Basque (C1, EGA 2016)

Skills

Python | ROS/ROS 2 | MATLAB-Simulink | C++ | Arduino | LabVIEW | TIA Portal

Additional

Courses:

- Deep Learning Specialization: Introduction and Improving Deep Neural Networks (Coursera, 2022)
- Professional certificate of Google Project Management (Coursera, ongoing)

Awards:

- Best semester project at university-level competition "PBL Day" (2018, 2019)
- Research and robot awards at region, nation and Europe-level FLL robotics competition (2015-2016)

Licenses: Driving (B)

Hobbies: Climbing | Trail running | Traveling