





Artificial Intelligence Robotics

CONTACT

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SOCIALS

-  Click to see profile

LANGUAGES

-  Spanish: Native
-  Catalan: Native
-  English: Fluent

HARD SKILLS

-  Mechatronics
-  Programming
-  Robotics
-  Artificial Intelligence
-  Machine Learning
-  Computer Vision
-  Embedded Systems
-  CAD / CAM
-  3D Printing

SOFT SKILLS

-  Communication
-  Leadership
-  Responsibility
-  Teamwork
-  Problem solving
-  Decisiveness

VICENTE FECED MÁS

SUMMARY

I am an engineer with a BSc in Mechanical Engineering and a MSc in Artificial Intelligence, with a keen interest in robotics and IoT. I am currently developing my own robot, utilizing my expertise in AI and mechanical engineering. I am seeking opportunities in the IT industry to continue developing my skills.

WORK EXPERIENCE

Artificial Intelligence Engineer Shintek

03/2023 - Current

- I have been designing a humanoid robot (**OnShape** and **3D printing**), implemented a sensorial system for the robot (**Electronics**, **Raspberry Pi** and **Python**) and designed a control system for the robot (**ANFIS** and **PyTorch**).
- I have been improving several 3D printers software (**Marlin** and **PlatformIO**), created custom orders for the 3D printers (**GCode**) and improved the hardware of the 3D printers (**OnShape**, **Sensors** and **Micro-controllers**).
- I have been designing an AI algorithm used for roof segmentation using geospatial images (**PyTorch**), I post-processed geospatial LIDAR data (**QGIS**) and created several fotovoltaic algorithms (**Python**).
- I am currently designing an AI algorithm for lane detection to be used in autonomous driving (**PyTorch**), an AI algorithm to estimate the location and speed of surrounding cars (**PyTorch**), and I am creating an AI control system for an autonomous vehicle (**PyTorch** and **ANFIS**).
- I am currently holding weekly meetings with the CTO to update him on the status of the product development and monthly meetings with the CEO to reevaluate goals.

Robotic Process Automation Programmer Redarquía Digital

09/2023 - Current

- Automatisation of web processes using different libraries (**Python**).
- Creation of predictive systems to map input variables to output variables in unknown environments using AI (**Pytorch**).

TECHNOLOGIES



Python



Tensorflow



PyTorch



Raspberry Pi



Arduino



Carbide 3D



Marlin



Klipper



PlatformIO



Solidworks



Fusion 360



OnShape

Support Engineer with Spanish Stefanini EMEA

09/2022 - 09/2023

- I troubleshoot VPN related issues (**Global Protect**, **Pulse Secure** and **Ivanti**), Microsoft package apps (**Outlook**, **One Drive** and **Power Apps**), SAP (**IVNET**, **NHM1**, **NHM4** and etc.) and hardware related issues (**Printer**, **Tablets**, **Computers** and **Mobile Phones**).
- I help customers solve different OS and Microsoft related problems through phone or chat (**Ticketing System**) in Spanish and English for worldwide customers.

Research Intern James I University

09/2020 - 04/2021

- I designed a robotic hand to be used as a prosthetic hand (**SolidWorks**) and I manufactured that hand using additive techniques (**3D printing**).
- I implemented a novel process to produce PLCs and PCBs using a low-cost CNC (**PLC**, **PCB**, **CNC** and **Carbide 3D**).

Lead Engineer UJI - E Team

10/2019 - 10/2020

- I designed an Electric Bike's chasis and a magnetic transmission (**SolidWorks** and **ANSIS**) to be later used in an european racing competition.
- I coordinated a group of 5 engineers to achieve different design and manufacturing deadlines (**Trello**, **Slack** and **Discord**).
- I organised weekly meetings to review team goals, establish new objectives, perform department reviews and team budget reviews.

Mechanical Engineer UJI Motorsport

10/2018 - 10/2019

- I designed a cooling system for a racing car (**SolidWorks** and **Excel**).
- I installed a cooling system on a racing car (**Mechatronics**).
- I maintained a cooling system of a racing car both on the racing track and on the garage (**Mechatronics**).

EDUCATION

MSc. Artificial Intelligence Valencian International University

04/2021 - 04/2022

BSc. Mechanical Engineering James I University

09/2016 - 09/2021