DAVID
VELASCO GARCIA

INDUSTRIAL ENGINEER. ROBOTICS AND AUTOMATION ENGINEER

PROFILE

Engineer with 4+ years of work experience in various fields like robotics, automation, software developt, CAD design ...

CONTACT

28000, Madrid, Spain

davidvelascogarcia.web@gmail.com

SKILLS

Ability to work under pressure. Proactivity and creativity, adaptability to changing problems. Teamwork. Problem resolution. Management and decision making. Learning ability and motivation. Ability for leadership and time management. Communication skills.

SOCIAL

@davidvelascogarcia

PROFESSIONAL EXPERIENCE

DEVELOPMENT ENGINEER @ ROBOTICSLAB
December 2017 – October 2020

Development engineer in robotic systems and process automation.

Implementation of solutions in assistance tasks to ERL and SciRoc.

I´ve worked on national and international projects managing TIAGo robotics system.

I have developed solutions in areas like Computer Vision, Speech Recognition, TTS, Navigation, Manipulation of objects …

TECHNICIAN ENGINEER @ ASROB
September 2017 – October 2019

Technician and operator in printing and 3D printers. Design and implementation of UAVs. ARCADE systems algorithm development engineer.

TECHNICIAN ENGINEER @ FORMULA UC3M
September 2017 – October 2018

Technical engineer for the design of electronic control systems for Formula cars. Electronics department.

I+D+I ENGINEER @ SCIENCE PARK
September 2016 – October 2017

Investigation and development. Gesture Recognition Module for Robot Control in Assistance Tasks, research in Speech Recognition, Computer Vision, and robotics.

WEB DESIGNER @ FREELANCE
September 2012 – October 2016

Design and maintenance of websites. I´ve worked with HTML, CSS and Javascript. Managing hosts, dns and domains.

ACADEMIC DATA

MSC. D. ROBOTICS AND AUTOMATION @ CARLOS III OF MADRID UNIVERSITY
September 2020 – May 2021

MSC. D. INDUSTRIAL ENGINEERING @ CARLOS III OF MADRID UNIVERSITY
September 2018 – Junary 2021

Thesis, Design and Implementation of Solutions for Attention to People with the TIAGo Robot.

B. D. INDUSTRIAL TECHNOLOGIES ENGINEERING @ CARLOS III OF MADRID UNIVERSITY
September 2012 – May 2018

Intensification in Automation and Electronics. Obtaining the Entrepreneur Seal and Intensification. Finalist TFG Emprende awards, Semifinalist Gran Canaria awards. Publication DRT4ALL 2017, International Congress on Technology and Accessibility. Thesis, Gesture Recognition Module for Robot Control in Assistance Tasks.

INNOVATION AND ENTREPRENEURSHIP SPECIALIST (MBA) @ SCIENTIFIC PARK, CARLOS III OF MADRID UNIVERSITY
September 2018 – July 2018

PORTFOLIO

I would like to introduce some examples of public projec developed:

- **tensorflowLiteDetection**: Multipurpose classifier detector implementation with support to network integration.

- **facialAnalysisLiteDetection2D**: Facial analysis implementation with support to network integration.

- **speechRecognitionTranscriber**: Implementation of video/audio multilanguage transcriber to PDF.

- **leapMotionRobotController**: Gesture controller to robotics systems with support to network integration. Video.

If you wish more public projects, please visit @davidvelascogarcia

SKILLS

PROGRAMMING @ MULTIPURPOSE

C, C++, C#, Python, Java, Swift and Bash.

PROGRAMMING @ WEB

HTML, CSS, Javascript and Markdown.

PROGRAMMING @ AUTOMATION

RAPID, SFC, Contacts and Arduino.

QA, CONTROL AND CI @ MULTIPURPOSE

Robotframework, Selenium, Git, SVN, Github, Jira and Travis CI.

3D AND CAD @ MULTIPURPOSE

Solid Edge, Solid Works, FreeCAD, Cura, Repetier …

ENGINEERING @ MULTIPURPOSE

Matlab, Ansys, Fluent, Abaqus, ABB, Symatic …

WRITTING @ MULTIPURPOSE

Microsoft Office, LibreOffice, LaTex

OS @ MULTIPURPOSE

Microsoft Windows, Linux, OS X, Android and IOS.

LANGUAGES

SPANISH
MOTHER LANGUAGE

ENGLISH
SECOND LANGUAGE

Advanced, C1. Stay in Dublin, Ireland 4 months, Stay in Milton Keynes, UK, 2 weeks.

Certificate ESOL C1 @ TRINITY COLLEGE DUBLIN

Certificate ESOL B2 @ UNIVERSITY OF CAMBRIDGE

Certificate ESOL B2 @ MENÉNDEZ PELAYO INTERNATIONAL UNIVERSITY

COMPLEMENTARY STUDIES

Complementary studies through the completion of more than 30 MOOC courses from the main national and international universities, through the EDX, Coursera, Miriada X, Microsoft Virtual Academy, Matlab Academy and Udemy platforms. Attached sample list, complete list availabe in: @davidvelascogarcia Linkedin.

Software Engineering:

- C, C++, C#, Python, Java, Swift.
- Databases Fundamentals
- Networks Fundamentals.
- Cybersecurity: Countermeasures
- Web develop and analyze.
- Cognitive Compute.
- Develop mobile apps.
- Internet of Thing (IOT).
- Cloud Computing.
- Machine Learning.

Multipurpose Engineering:

- Solid Edge, Solid Works, FreeCAD.
- Design airplanes, UAVs.
- Raspberry PI, Arduino.
- Solar Energy.
- Excel in Engineering.
- Probability.
- Management Information Systems.