Diego Carrillo S.

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Academic Background

Universidad Carlos III de Madrid (Madrid, Spain)	Master's Degree in Robotics And Automation *(2019-2021)*	Master oriented to research & development field in robotics and automation. *Highlighted courses:* computer image processing, robot's operating systems, industrial robotics, smart autonomous robots, unmanned aerial vehicles (UAVs), automatization of industrial systems, medical and health robotics, intelligent transportation systems (ITS).
Universidad Hispanoamericana (San José, Costa Rica)	Electronic Engineering *(2013-2018)*	*Highlighted courses:* automatic control, telecommunications, systems analysis, electronic devices, systems design, operational amplifiers, and linear integrated circuits
Universidad Latina de Costa Rica (San José, Costa Rica)	CISCO CCNA IT Networking *(2012)*	*Highlighted courses:* CCNA1, CCNA 2, CCNA3 and CCNA4
TECH Universidad Tecnológica (Madrid, Spain)	C1 Advanced English *(2022)*	

Work

ISEMAREN S.L. (Madrid, Spain) Renewable Resources Energy Production	Commissioning Engineer *(2020 - Currently)*	I'm in charge of design, implementation and commissioning of project in Photovoltaic field. Programming **SCADA's** and **PLC's** for automation production process. I also have responsibilities in project management activities, such coordination with clients the deployment of power regulation systems by using leading-edge technologies. Knowledge of International Regulations and highly oriented towards the use of Machine Learning predictive software for quality energy production field.
Xacom Comunicaciones (Madrid, Spain) Telecom	Project & Technical Services Engineer *(2020 - 2023)*	I manage the design and implementation of solutions for mobile coverage needs for industrial and residential field by planning, coordinating, and executing projects for 2G, GSM, LTE and 5G deployment. Besides, I do manage projects related with PBX and central telephonic systems, including the design, programming and monitoring of phone gateways, routers and switches for networking architectures. I do all the tasks related with the management of the project including the coordination and execution of all the project's stages since the very beginning until the commissioning.
Universidad Carlos III de Madrid (Madrid, Spain) Research School	Laboratory assistant researcher. Social Robotics Lab *(2019-2021)*	Worked and developed data bases for license controls, using LAMP Stack (Linux, Apache, PHP and MySQL) for MINI Robots ©. In the other hand, I developed apps by using **Machine Learning** and **Deep Learning** algorithms for image processing using Keras and Tensorflow libraries.
Boston Scientific (San José, Costa Rica) / Mapple Grove (Minnesota, US) Medical Devices Multinational Corp.	Supplier Engineer *(2018)*	In charge of performing material qualifications process and vendor analysis for increase supplying capabilities. Looking through of product life cycle process management in terms of material supplier. Also, I did some material tests for acceptability criteria. Besides, I developed some apps by using PYTHON 3.0 for material acceptance tracking and I participated in innovation projects related to New Products' development, researching new technologies for manufacturing processes.
Hospira Holdings (San José, Costa Rica) Medical Devices Multinational Corp.	Equipment Calibration Engineer *(2014 – 2018)*	Executed a plan for process cost-reduction projects, moreover I developed PLC coding for equipment using Ladder & SFC automation language. Managed and negotiated with suppliers and make purchasing of devices and measurement equipment at optimum cost. Also, I worked with PYTHON 3.0 apps for equipment control, machine design and developing automated control using Arduino, Raspberry Py and MATLAB for controllers.

Competences

Able to learn quickly about new technologies and programming platforms.

Soft Skills

Adaptability & Flexibility to fit with company's objectives and global goals.

Collaboration & Teamwork approach.

Willing to apply problem solving techniques & analytical thinking using creativity and innovation approach.

Coding Knowledge

ADVANCED: Python, C++, HTML, LAMP Stack (Linux + Apache + MySQL + PHP), CSS, MATLAB + CISCO IT Networking, Arduino IDE, Raspberry Py, ROS, UNITY Pro, AI Machine Learning and Deep Learning, Wideshark, Deep Packing Inspection.

CERTIFICATED: AI Neural Networks and DeepLearning, CCNA CISCO Networking.

OTHER: Github, Google Colab, IpDoor Smart Video-Interactive Doors, RobotStudio, OpenCV, VisualStudio.

Language Certificates:

C1 Advanced English

Mentions

HARDWARETHON 2019 COSTA RICA: A Technological and Innovation thinking multidisciplinary contest/ 3th Place Award

Honor Mention in Automation of Industrial Systems subject of master's degree, and Final Researching project in Carlos III University of Madrid.

$22k Cost Reduction for equipment calibration process mention.

New Layout implementation for CER1 Electronic Calibration Laboratory.