Javier Laserna Moratalla

Industrial Electronics and Automation Engineer

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20/09/1996
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Education and training

PhD in Automation and Robotics
UPM Polytechnic University of Madrid, Spain
2022 - Present

Bachelor's Degree in Mathematics
UNED National Distance Education University, Spain
2022 - Present

Master's Degree in Industrial Electronic Engineering
UPM Polytechnic University of Madrid, Spain
2020 – 2022
TFM: “Deep Neuroevolution in Reconfigurable Hardware”
(TFM Grading: 10)

Bachelor’s Degree in Industrial Electronics and Automation Engineering
UPM Polytechnic University of Madrid, Spain
2015 - 2020
TFG: “Grafos. Implementación eficiente del *Algoritmo del Máximo Clique”*
(TFG Grading: 10)

Bachelor's Degree in Mathematics (1st year)
UAM Autonomous University of Madrid, Spain
2014 - 2015

High school (Average grade: 8.2)
I.E.S. Santa Eugenia, Madrid
2012 - 2014

Honorable Mention in Compulsory Secondary Education (ESO)
I.E.S. Santa Eugenia, Madrid
2012

Languages

English
B2 (First)

French
A1.2 (ESO)

German
A1.1 (EOI)

Spanish
Native

Work experience

Predoctoral Researcher
UPM José Gutierrez Abascal 2, Madrid
Sep/2022 – Present
DISAM, CAR-CSIC

Site Reliability Engineer
Kyndryl Santa Hortensia 26-28, Madrid
Sep/2021 – Sep/2022 (1 year)

Site Reliability Engineer
IBM Santa Hortensia 26-28, Madrid
Sep/2020 – Sep/2021 (1 year)

Postgraduate Non-Doctoral Researcher
UPM José Gutierrez Abascal 2, Madrid
Jul/2020 – Jul/2022 (2 years)
DISAM, CAR-CSIC

Product Development Engineer
CAF Signaling Alcobendas, Madrid
Sep/2018 - Ene/2019 (5 months)
Extracurricular internships

Skills

C/C++
STEP 5/7
MATLAB
AutoCAD
3D Printing
Ansible
PHP
CI/CD Tools
Docker

Python
Arduino
VHDL
AutoDesk Inventor
AWS
Bash
Angular
Java
Operating systems
Windows MacOS Linux

Events and conferences

The 18th International Symposium on Applied Reconfigurable Computing
ARC Tsinghua University Beijing, China

Sep/2022

Paper 1968: “A Multi-FPGA Scalable Framework for Deep Reinforcement Learning through Neuroevolution”

Mobility

Software Reliability course
UPB Politehnica University of Bucharest, Romania

Nov/2022 (1 week)