

# Daniel Rodríguez Criado

## PERSONAL DETAILS

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## EDUCATION AND QUALIFICATIONS

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- **2019-2023. Aston University | PhD in Deep Learning in Graph Domains for Sensorised Environments.**
- **2017-2019. University of Málaga | Master of Science in Electronic System for Smart Environments.**  
Master's final thesis titled: "Table Cleaner Robot TCBot using Hi-NW Light Technology for Disinfection".
- **2015-2019. University of Málaga | Master of Science in Industrial Engineering.**  
Master's final thesis titled: "Implementation and design of a processor architecture for detection of objects slippage over a tactile sensors array using a FPGA." Passed with honours.
- **2010-2015. University of Málaga | Bachelor of Industrial Technology Engineering.**  
Specialized in automatic and electronic control:
  - Honours in "Integrated Circuits"
  - A\* in "Computer Architecture"
  - A\* in "Power Electronic"
  - A\* in "Transducers and interface"Bachelor final thesis titled: "Basic Quadcopter Design with Stabilization Control" Passed with honours.

## INTERSHIPS

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- **2017-2018. Internship in Hong Kong University of Science and technology (HKUST) for a period of ten months | EURASIACAT program.**  
During this period, I have been working in a project of a little robot for disinfection of table surfaces with the Hi-NW technology in CBE department.
- **2016. Erasmus+ six months period in Vilna (Lithuania) | Vilnius Gediminas Technical University – VGTU.**  
I studied electronic subjects such as: wind and photovoltaic energy systems, electronic convertors and modern electrical engineering.

## CONFERENCES ATTENDED AND PRESENTATIONS

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- **12/06/2018. Final meeting EURASIACAT program in HKUST | Hong Kong University of Science and Technology.**

Presentation of the work: “Hi-NW based disinfection robot for tables surfaces”

## CERTIFICATES

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- **University of Málaga:**
  - **July 2011. Advanced course GPUs. Programming and performance against CPU.**  
Register number: 76437055C0362
  - **July 2011. Basic course of graphic processors.**  
Register number: 76437055C0363
  - **July 2014. Computer Forensics.**  
Register number: 76437055MD1868
- **Polytechnic University of Madrid:**
  - **March 2016. Developing of Web, Android and IOS Apps using HTML5, CSS and Javascript.**  
Miríada X. 5 weeks (50 study hours)
- **Vilnius Gediminas Technical University:**
  - **2016. Lithuanian Language Course**
- **Hong Kong University of Science and Technology:**
  - **22/11/2017. Chemical Safety I**
  - **22/11/2017. Chemical Safety II**
  - **22/11/2017. Biological Safety**

## MAIN SKILLS

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- **Deep Learning**
  - Python/PyTorch
  - Graph Neural Networks
  - Generative Adversarial Networks
  - Reinforcement Learning
- **Programming**
  - C/C++
  - VHDL
  - MATLAB
  - Microcontrollers programing
  - Web programming
- **Design CAD**
  - Solid Edge ST, Solid Works and Fusion 360
  - Layout and schematic in EAGLE and OrCAD
  - PCB design in EAGLE
  - AutoCAD 2D

## LANGUAGES

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- **English.** Good level in spoken English and in written technical English. First certificate of English (B2). TOEFL score 99 out of 120.

- **Spanish.** Native

