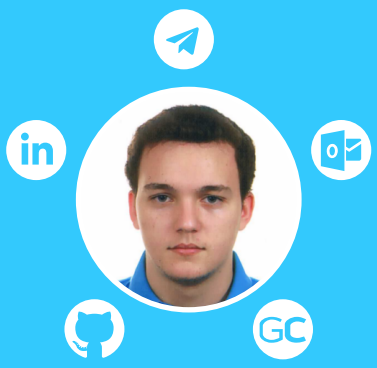
Daniel Ríos Linares

Industrial Electronic Engineer



26/08/1994

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Granada, Spain

Goals

To be part of meaningful engineering projects and become an experienced professional in the sector

Languages

English

Spanish

Interests

3D printing · IoT · SolidWorks · Python · Power Elec. · Computation

Hobbies

- Guitar playing
- Cooking
- Travelling
- Technical writing

Education

2018 Industrial Electronic Engineering

At University of Granada, Spain

Summary: analog instrumentation, digital signals and systems, sensors and actuators, biomedical systems, power electronics, electric machines, mechanisms, semiconductor technology, robotics, mechanical design, materials science, microcontroller programming, PCB design, industrial communications...

Thesis: Multijunction Photovoltaic Cells Simulator Implementation in CPython

Coursework

2020 Deep Learning (work in progress)

deeplearning.ai (Coursera, audited)

2019 Developing Industrial IoT (2 courses) Specialization (29 h)

University of Colorado Boulder (Coursera, audited)

Advanced English Certification (C1, Grade B)

ESOL International Cambridge English Level 2

2018 An Introduction to Programming the Internet of Things (IoT)

University of California, Irvine (Coursera, audited)

2018 3D printing: revolution, applications, software and hardware (44 h)

University of Illinois at Urbana-Champaign (Coursera, audited)

Mechanical design and thermal, flow and structural simulation (72 h)

University of Granada

Skillset

Computer-Aided design software

- Parametric/feature modeling: SolidWorks 2018, Autodesk Fusion 360
- EDA design: SPICE, SIMetrix/SIMPLIS, gEDA, Quartus II, EAGLE 2016
- CEM (Computational Electrodynamics): CST Microwave 2016
- Computation: MatLab r2016a, Maple 2016, Wolfram Mathematica 8.0

Software

- Python, C/C++, Fortran90, Java, Lua, GNU Bash, JavaScript
- GNU/Linux OS user, familiarized with the Raspberry Pi 3B+ and pcDuino3

Documentation

- LaTeX3, PTC MathCAD Prime 4.0, MathCAD 15, various office suites

Hardware

- Embedded systems: Arduino-based boards, RTOS, Single-board computers
- Communications: UART (GPS, GSM/GPRS...), SPI, I2C...
- Copper tubing soldering, PCB soldering, PCB etching

Meaningful projects

Renewable energies

- 800 W Solar photovoltaic array installation
- Solar thermal system installation (evacuated tubes collector)

Product design

- IIoT (building automation): intruder alarm, light switching box and RFID lock