

Ramón Calvo González

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Birth date: 6th of May, 1999

EDUCATION

- **University of Alicante**

Bachelor of Robotics Engineering — (Current grade: 9.14/10)

Alicante, Spain

September 2017 – June 2021

- **IES Cabo de la Huerta**

High School — (Grade: 9.74/10)

Alicante, Spain

September 2015 – June 2017

- **IES Cabo de la Huerta**

Middle School — (Grade: 9.81/10)

Alicante, Spain

September 2011 – June 2015

EXPERIENCE

- **University of Alicante – HURO Research group**

Research Internship — Ministry Collaboration Grant

Alicante, Spain

October 2020 – June 2021

- Trajectory optimization and stabilization of walking gaits for the Talos robot.

- **IEEE Student Branch University of Alicante**

Secretary

Alicante, Spain

May 2020 – May 2021

- **QuixMind**

Extracurricular Internship

Alicante, Spain

October 2019 – June 2020

- **Simulation:** Modeling of a control ready robot forklift and its industrial environment in Gazebo.
- **Control:** Wrote linear controllers for pallet alignment.
- **Sensors:** Acquired data from 3D perception sensors (RS-LiDAR-16 & Intel RealSense) and processed them in order to perform control tasks.
- **Communications:** TCP connection speed up of up to 2x by using data compression.
- **Docker:** Deployment of the application by using containers.

LANGUAGES

Spanish — Native

English — Proficient (Cambridge C1: grade A)

AWARDS

- **Santander's Progreso Grant**

Awarded for being one of the best students in campus.

Santander Bank

December 2020

- **Ministry Collaboration Grant**

Research internship in University of Alicante's DFESTS department.

Spanish Government

2020 – 2021

- **High School Graduate with Honors**

Graduated first in class.

IES Cabo de la Huerta

June 2017

COURSES AND TRAINING

- **Udacity**

Intro to Deep Learning with PyTorch

July 2019

- **Coursera**

Machine Learning

June 2019

- **University of Alicante**

CUDA/C++ Workshop

Alicante, Spain

March 2019 – April 2019

- **University of Alicante**

German: A1

Alicante, Spain

September 2017 – December 2017

PROJECTS

- **Image Captioning**

Implementation in PyTorch of the paper 'CNN+CNN: Convolutional decoders for Image Captioning'. December 2019

- **Double Dueling DQN**

Implementation of Double Dueling DQN in PyTorch.

August 2019

- **3D Cellular Automata**

3D visualization of a cellular automaton using C++ & Modern OpenGL.

November 2018

- **Scientific Calculator**

Calculator designed from scratch, based on an ARM Cortex M0+ processor.

February 2017

CONFERENCES

- **II International Conference of Artificial Intelligence of Alicante**

Attendee

Alicante, Spain

November 2019

- **ICIAM 2019 (International Conference of Industrial and Applied Mathematics)**

Volunteer

Valencia, Spain

July 2019

- **IEEE SWYP 2019 (Students, Women in Engineering and Young Professionals)**

Attendee

Alicante, Spain

April 2019

- **IROS 2018 (International Conference on Intelligent Robots and Systems)**

Volunteer at IEEE stand

Madrid, Spain

October 2018

- **Young Professionals in SPACE**

Attendee

Barcelona, Spain

July 2018

SKILLS

- **Programming languages**

Proficient	—	C, C++, Python
Medium	—	MATLAB, Octave
Basic	—	Rust

- **Frameworks:** ROS, Modern OpenGL, SDL, PyTorch.

- **Linux:** medium sysadmin skills.

- **Tools:** GDB, GNU Make, CMake, Git, SSH.

- **CAD:** KiCAD, Autodesk Inventor, Autodesk FUSION 360.

- **Embedded Systems:** AVR, STM32, MSP430, FreeRTOS, libopencm3.

- **Machine Learning:** Deep Learning, Reinforcement Learning.

- **Other :** L^AT_EX, 3D printing, soldering.

MISCELLANEOUS

- **GitHub:** github.com/noctrog

- **LinkedIn:** [Link](#)