

# Alberto Vicente Chacón

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[Odense, Denmark](#)

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## Education

### Syddansk Universitet (SDU), Robot Systems (Advanced Robotics Technology)

Focus on Machine Learning, Image Processing, and Software Architecture for autonomous systems.

- Master's Thesis: Researching Uncertainty Estimation in Deep Neural Networks using Evidential Deep Learning in PyTorch.

Odense, Denmark

2024 – present

### Universidad Politécnica de Madrid (UPM), Electronics and Automation Engineering

- Specialized in industrial control systems, electronic circuits, and embedded systems.

Madrid, Spain

2019 – 2024

## Experience

### Syddansk Universitet (SDU), Robot Programmer

Worked on the HospiBot European project focusing on mobile platforms and human-robot interaction.

- Reworked PID controllers and designed custom voltage management circuits.
- Developed an image-based recognition pipeline for a humanoid robot to track human engagement.

Odense, Denmark

Aug 2024 – Nov 2025

1 year 4 months

### e Talgo, Software Engineering Internship

- Built a Python-based testing tool from scratch to monitor train system responses using UDP and TCP sockets.

Madrid, Spain

Apr 2024 – Aug 2024

5 months

### Siemens, Electronic Engineering Internship

- Programmed workpieces using SINUMERIK, SinuTrain, and Run MyVirtual Machine.
- Designed parts and simulated manufacturing processes using Siemens NX.

Jan 2023 – Dec 2023

1 year

## Projects

### Self-Taught ROS2 & Omnidirectional Robotics

Independent project to master robot middleware and navigation.

- Designed and built a prototype for an omnidirectional robot.
- Implemented motor control and sensor integration.

### Custom 3D Printer Build

Built a high-precision 3D printer from individual components to understand mechanical calibration.

## Skills

### Robotics & Software

### Engineering Tools

## Languages

### Spanish

Native

### English

Fluent (IELTS grade 8)

### Danish

A2 (Modul 2)

**Japanese**  
Basics (JLPT N4)

## **Volunteer** ---

**Unidos por la paz**, Guitarist  
Participated in charity concerts for peace.

**Children's association**, Youth Group Leader