

Alberto Vicente Chacón

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[Odense, Denmark](#)

[albertovic](#)

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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

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.

Madrid, Spain

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)

Italian

Basics

Volunteer

Unidos por la paz, Volunteering as Guitarist

Participated in charity concerts named "Unidos por la paz" for the Vicente Ferrer Foundation.

Children's association in my hometown, Volunteering as Youth Group Leader