

# Alberto Vicente Chacón

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## Education

<b>Syddansk Universitet (SDU)</b> , Robot Systems (Advanced Robotics Technology) Focus on Machine Learning, Image Processing, and Software Architecture for autonomous systems. <ul style="list-style-type: none"><li>Master's Thesis: Researching Uncertainty Estimation in Deep Neural Networks using Evidential Deep Learning in PyTorch.</li></ul>	Odense, Denmark 2024 – present
<b>Universidad Politécnica de Madrid (UPM)</b> , Electronics and Automation Engineering Specialized in industrial control systems, electronic circuits, and embedded systems.	Madrid, Spain 2019 – 2024

## Experience

<b>Syddansk Universitet (SDU)</b> , Robot Programmer Worked on the HospiBot European project focusing on mobile platforms and human-robot interaction. <ul style="list-style-type: none"><li>Reworked PID controllers and designed custom voltage management circuits.</li><li>Developed an image-based recognition pipeline for a humanoid robot to track human engagement.</li></ul>	Odense, Denmark Aug 2024 – Nov 2025 1 year 4 months
<b>e Talgo</b> , 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
<b>Siemens</b> , 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

<b>Self-Taught ROS2 &amp; Omnidirectional Robotics</b> Independent project to master robot middleware and navigation. <ul style="list-style-type: none"><li>Designed and built a prototype for an omnidirectional robot.</li><li>Implemented motor control and sensor integration.</li></ul>
<b>Custom 3D Printer Build</b> Built a high-precision 3D printer from individual components to understand mechanical calibration.

## Skills

Robotics & Software

Engineering Tools

## Languages

<b>Spanish</b> Native
<b>English</b> Fluent (IELTS grade 8)
<b>Danish</b> A2 (Modul 2)

## **Japanese**

Basics (JLPT N4)

## **Volunteer**

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**Unidos por la paz**, Guitarist

Participated in charity concerts for peace.

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