



David Cuevas

COMPUTER SCIENCE STUDENT

CONTACT



+57 3003835553



cuevasadavid@gmail.com



[Website](#)



[Linkedin](#)

SKILLS

- Teamwork
- ROS and ROS2
- Gazebo
- Human-Robot Interaction
- Python and C++
- PyTorch
- NLP
- Git

EDUCATION

- **BSc in Systems and Computer Engineering**
Universidad de los Andes
2021-Present
- **Software Programming Technician**
Servicio Nacional de Aprendizaje - SENA
2018-2020

ABOUT ME

Last-semester Systems and Computing Engineering student at Universidad de los Andes. Passionate about social robotics and artificial intelligence.

PROJECTS

Leader, Sinfonía Uniandes

- Led the team to win **First Place** in the RoboCup 2024 in RoboCup@Home SSPL by designing social robotics solutions using **ROS** with **Python** and **C++**.
- Developed and deployed perception, **TTS**, and **STT** systems for robots like Pepper to enable natural **human-robot interaction**.
- Contributed to the development of a custom **ROS driver** in **C++** for the Pepper robot.

AI for Human Robot Interaction

- Designed autonomous navigation systems integrating decision-making algorithms using **ROS2** and **Gazebo**.
- Implemented **YOLO** for object detection in robotics systems, improving environmental awareness.
- Developed and deployed speech systems for robotics using **PyTorch** for voice activity detection and **NLP** for appropriate responses.

ADDITIONAL COURSES

Fundamentals of Deep Learning
NVIDIA

OCTOBER 2024

Generative AI with Diffusion Models
NVIDIA

OCTOBER 2024



[Presentation at RosMeetup 2024](#)



[RoboCup 2024 Qualification Video](#)