

# Miguel Angel Dallanegra Vilches

Córdoba - Argentina | Cel.: +54 351 3583843 | e-mail: [mdallanegra@icloud.com](mailto:mdallanegra@icloud.com)  
LinkedIn: <https://www.linkedin.com/in/mdallanegra> | GitHub: <https://github.com/mdallanegra>  
web: [mdallanegra.com](http://mdallanegra.com)

Throughout my career in Engineering, I have maintained a constant commitment to continuous learning, participating in training courses to expand both my technical and language skills.

My experience spans a wide spectrum of knowledge in computer science and programming, supported by my ability to adapt and work collaboratively in teams. I am a proactive problem solver, committed to delivering high-quality results on every project I undertake.

Although my primary focus has been engineering, my previous education in areas such as marketing, public relations, and human resources has enriched my perspective. This combination of skills has allowed me to adapt to various work environments and contribute effectively in my area of specialization.

## WORK EXPERIENCE

- Design, built and placement of automated equipment based on RaspberryPi boards. Date: 2016 - present.

**Latest projects carried out:** Customer satisfaction survey machine and home electricity supply quality control record.

- Design, built and placement of automatizations for electrical and electronic circuits based on Microchip's PIC microcontrollers. Date: 2013 - present.

**Latest projects carried out:** Event counter for automotive transport scales, telephone UPS, solar battery charger and full automated egg incubator.

- Design, built and placement of cathodic protection equipment by impressed current for pipes, fuel tanks and buried metal structures. Date: 2006 - 2013.

## ACADEMIC PROJECT

**“HotelWise” January 2024 - March 2024**

- **Role:** Data Scientist & Web Master.
- **Henry Bootcamp Academic Experience:** Generate a hotel recommendation website using the databases of GoogleMaps, Yelp, and FBI Security.
- **Main Responsibilities:** Selection of the environment, library, Natural Language Processing and Machine Learning model to be put into production, returning hotel recommendations. And design and development of the website, implementing the necessary features and functionalities to be able to make recommendations.

## COMPUTER KNOWLEDGE

- Django Framework (Advanced), Python (Advanced), C (Advanced) and C++ (Basic) programming, ISE Xilinx VHDL Programming (Basic) y Assembler for ARM y x86 (Settings), Orcad PSpice, Altium, Qucs, Proteus, EasyEDA, LiveWire, GNU Octave, LyX (LaTeX), Microsoft Office, AutoCad, Inkscape, GIMP, Microsoft Publisher, GNU Linux and MAC OS Environments.

## STUDIES

- Electronic Engineering (5th year in progress). National Technological University - Cordoba Regional Faculty. Date: March 2011 - to date.
- Data Science Career - Soy Henry Academy - Date: July 2023 - March 2024

## LANGUAGE KNOWLEDGE

- English, German and Italian.