

Angélica Herrera

Digital Systems and Robotics Engineer

Willingness to travel

Contact

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29.10.93

Mannheim, Baden-Württemberg.

Deutschland



Education

- Present

MSc. Electrical and Computer Engineering
(Automation and Control).

TECHNISCHE UNIVERSITÄT KAISERSLAUTERN

- 2011 - 2016 German grade system — 2.3

B.S. Digital Systems and Robotics
Engineering.

MONTERREY INSTITUTE OF TECHNOLOGY AND
HIGHER EDUCATION

- SUMMER 2016 German grade system — 1.0

Doing business in central east Europe.
EKONOMICÁ UNIVERSITA V BRATISLAV

Languages



Spanish
Native.



English
6.5 IELTS



German
A2

Extracurricular

IEEE member

Third place, Inter-university Microcontrollers Competition in Puebla.

Experiences & Projects

- 2018 | **Automation Tester** | INTEL-HCL

Test development and automation using Python for an Edge Cloud Software stack.

- 2017 | **Cloud Developer** | IBM

Develop applications and services that works for the Cloud products that IBM provides using Agile Methodology.

- 2016 | **Vision system and Web App** | Tenaris Tamsa-APIVER

Vision system capable of counting and provide information of the marketed product by Tenaris Tamsa using a Raspberry PI and a database.

- 2016 | **A. R. Drone controller system** | Robotics Project

Control for an UAV parrot drone for flying on stable mode. The system contains: Fuzzy control, a Vision system and the implementation of a Leap Motion Controller.

- 2016 | **Software Developer** | AppCo

Development and design of web and mobile applications.

- 2016 | **Prothesis prototype** | Applied Electronics Project

Design of a low pass filter to read microelectronic signals, amplify and control a half arm and hand prosthesis.

- 2016 | **Event-Cam** | Embedded Systems Project

Control system for a suspended camera with four automated cables capable of tracing a path to a desired point and transmitting the content via livestream.

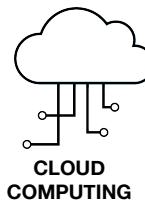
- 2015 | **6DOF robotic arm controller** | Micro-competition.

Control of the robotic arm in several fields such as: vision system, using NI Myrio, labVIEW and a web cam. Signal processing, using a Low pass filter and a biosignal.

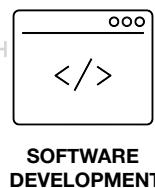
- 2014 | **Motor Assistance for Persons** | Electronics Project

Prototype of a Wheelchair controlled with biosignals and electrodes in the arms of the user, allowing the movement with a series of specific actions.

Experience



CLOUD COMPUTING



SOFTWARE DEVELOPMENT
EMBEDDED SYSTEMS

Skills

Programming

• Medium Level

C
GIT
Python
Java, JavaScript
HTML & CSS
Cloud Foundry
Kubernetes

Electronics

• Boards

Arduino
NI myRIO
Raspberry PI
PIC (Microchip)

• Software

Eagle
Pspice
MPLAB
LabVIEW
Matlab & Simulink
Mathematica

• Other SW

Camtasia
Adobe Ps Ae
Autodesk Fusion 360

Interests & Hobbies

AI

Robotics

IoT

Veganism

Art

Fitness

Yoga