

# MAX A. SANCHEZ

## Bachelor of Engineering

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## EDUCATION

### Computer engineering

#### Engineering school - UNAM

📅 August 2014 - December 2018 📍 Mexico City

Here I learned the vast majority of my computer science knowledge, but I mainly developed my skills in artificial intelligence. The courses that I enjoyed more were :

- Artificial Intelligence
- Natural Language Processing Analysis
- Artificial Selected Subjects
- Pattern Recognition

### Exchange student

#### Sungkyunkwan University

📅 February 2018 - June 2018 📍 Suwon, South Korea

I was selected to earn a scholarship to be an exchange student in Korea where I took four courses: Introduction to Machine Learning, Introduction to automatic control, Bio-Robotics, and Korean Language class. Here I met with a different learning pace, I learned to push my self beyond to achieve what I was expecting and to exploit most of the experience.

## EXPERIENCE

### Internship Web Developer

#### Biochemistry department,Medicine school-UNAM

📅 January 2017 – July 2017 📍 Mexico city,Mexico

- Servers maintenance.
- Custom programs and scripts.
- Databases management.

### Software Developer

#### Yeltic

📅 January 2019 – December 2019 📍 Mexico city,Mexico

- Web API's programming.
- Azure services management.
- Development of intelligent bots using LUIS, Bot Framework, QnA and others Microsoft Cognitive services tools.
- Web applications programming.
- Development of Business analytics services design and data get methods.

## LIFE PHILOSOPHY

*"Failure is part of success, in order to learn it is necessary to feed back on mistakes."*

## PROUD OF

💖 **Passion**  
for learning and trying new things to innovate my self

✳ **Perseverance**  
I never let that mistakes take advantage of me, persisting is learning.

## LANGUAGES

Spanish (native) ●●●●●  
English ●●●●●

## CERTIFICATES

IELTS B2 ●●●●●

## ABILITIES

Problem solving Strategic thought  
Team working Leadership Creativity  
Innovation

## Software Developer

### Aspentech

📅 January 2020 – present

📍 Mexico city, Mexico

Here in Aspentech I have the responsibility to develop in team work a product for the chemistry industry, mostly by developing Web APIs, frontend using Vanilla JS and Blazor, and backend using Net Core 3.1.

## Deep Learning for sequential data

### RIIAA (International reunion of artificial intelligence and its applications)

📅 August 31, 2019

📍 Mexico city, Mexico

I provided a training course for the RIIAA (International reunion of artificial intelligence and its applications) from its Spanish initials. The summary of the course was: how sequential data are structured, how to build a multi-layer perceptron for classification of data, what are the principal components of different architectures like LSTM, RNN, and GRU, how bidirectional RNN use a different approach for sequential processing.

## ACHIVEMENTS

### Robotic Tournament

#### First Place

📅 November 2018

📍 Mexico city, Mexico

## PROJECTS

### Irony detection

#### Thesis

📅 November 2018 – Present

📍 Mexico city, Mexico

This is my thesis project, where I make use of *Deep learning* and a brief pre-processing by 2-ngrams for irony detection in Twitter in Spanish. In this project, I learned a little about how to use TPUs for training and predicting. Moreover, how to deploy an API to provide predicting services online using *Tensorflow*. I had the tutoring from Dr. Ivan Vladimir Meza Ruiz.

## KNOWLEDGE



## A BRIEF OF ME

I'm interested in developing my career in artificial intelligence and I think we need AI to solve many of the huge modern society issues, like global warming, corruption, violence or geopolitical problems, and on the near future (2 or 3 years from now on) I'd like to take a master degree. I'm very passionate for coding, I'd like to learn a lot of current technologies and trends in tech. I like to meet new people with new scopes. I love to travel and to work with people from different cultures.

Usually I invest my time in:

