

# Juan Sebastián Casas C.

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## Skills

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**Programming languages:** Python, SQL, Bash, C.

**Technologies:** MongoDB, Git, Azure, Tensorflow, Keras, Streamlit, Linux, Docker, MySQL, SQL Server, Power Automate, Bot Framework composer, LangChain, FastAPI, AWS.

**Languages:** Spanish, English.

## Education

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<b>Pontificia Universidad Javeriana</b> Colombia	Bogota,
<i>Electronic engineer</i> 2020	<i>Jul 2014 - Jun</i>
<ul style="list-style-type: none"><li>Electronic engineering with emphasis on control and power (subjects such as energy conversion (2018-3), IoT (2019-1) and embedded systems (2020-1)</li></ul>	
<b>Pontificia Universidad Javeriana</b> Colombia	Bogota,
<i>Machine learning course for embedded systems</i> 2020	<i>Jun 2020 - Jul</i>
<ul style="list-style-type: none"><li>Course on how to do machine learning in restricted environments, including data from sensors or cameras, and its implementation with limitations typical of embedded systems.</li></ul>	

## Experience

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<b>AESOFTWARE</b> Colombia	Bogota,
<i>Data Scientist</i> Current	<i>Aug 2021 -</i>
<ul style="list-style-type: none"><li>Design churn project using Keras, Tensorflow to get the probability of quitting the company based on historical data.</li></ul>	

- Design the first approach of a Sign-language-to-audio translator using Computer Vision. It was made by the “fine-tune” technique with the MobileNet50 model and 50 training images and their corresponding label.
- ETL of Banco Davivienda Data.
- Use Langchain to access LLM and start doing some approaches with PDF CVs to extract relevant information and try to filter candidates. (Local model and OpenAI API)

**Claro Colombia**

Colombia

Bogota,

Internship in innovation area

*Feb 2020 – Jul*

2020

- Technological surveillance of different startups in areas such as data monetization, mobile wallet, digital identity, and Cross-media.

## Courses

[IBM AI Engineering Professional Certificate | IBM](#)

2022

Jul

- Certificate that verifies the completion of six IBM courses (Introduction to Deep Learning & Neural Networks with Keras, Introduction to Computer Vision and Image Processing, Deep Neural Networks with PyTorch, Building Deep, Learning Models with TensorFlow, Machine Learning with Python & AI Capstone Project with Deep Learning).

[Microsoft Azure Data Scientist Associate \(DP-100\) \[2-5\] | Microsoft](#)

Current

Jul 2023 -

- Specialization of five courses to prepare to DP-100: Designing and Implementing a Data Science Solution on Azure.

[Deep learning specialization | DeepLearning.AI](#)

2023

Jan

- Specialization of deep learning on neural networks, optimization of them, CNN, sequence models and structuring of machine learning models.

[Machine Learning | Stanford University](#)

2022

May

- Introductory course on Machine Learning techniques offered by Stanford University.

[Databases and SQL for Data Science with Python | IBM](#)

2023

Apr

- Introductory course on SQL queries and creation of databases with DB2.

[Docker for absolute beginners | Coursera](#)

2022

May

Introductory and interactive project to learn the basics of Docker