



Cristian Alejandro Chávez Becerra

Professional Experience

Data Scientist

Datadog | Paris

March 2025 –
Present

- Applied causality algorithms and neural networks to find causality and correlation between events.
- Applied fine-tuning and prompt optimization algorithms to AI agents.
- Applied AI Log-Parsing techniques for text pattern recognition

Software Engineer

Universidad Nacional de Colombia | Bogota

February 2022 –
March 2025

- Created an application to collect, process and analyze data associated with the Faculty of Engineering's international accreditation processes.
- Developed programs that automate the creation of statistics using data from the Faculty of Engineering's program self-evaluation processes.

Student Assistant for the Databases course

Universidad Nacional de Colombia | Bogota

February 2021 –
February 2022

- Provided assignments, workshops and exercises primarily related to relational algebra, relational and no relational databases
- Assisted in the correction of students' assignments, workshops and exercises.

Projects

Direct Preference Optimization Application

École Polytechnique | Palaiseau

December 2024 –
February 2024

- Implementation and mathematical examination of the DPO fine-tuning method applied to the GPT2-Large model.

Dermoscopic Images Classifier

Télécom Paris | Palaiseau

February 2024 –
June 2024

- Classifier for dermoscopic images (skin lesions) applying different models such as: linear and nonlinear Support Vector Machines, Random Forest, K-Neighbors, ElNet, ResNet (ResNet101, ResNet152), DenseNet201.

Triple-Negative Breast Cancer Classifier

Universidad Nacional de Colombia | Bogota

April 2022 –
September 2023

- Application of the k-prototype data partitioning method and random forest using qualitative and quantitative data from triple-negative breast cancer patients to group these patients and enable more personalized medicine.

Technical Skills

Programming languages

Python, Javascript, Typescript, C, C++, Java, Ruby, Matlab

Frameworks and Libraries

Django, ExpressJS, SpringBoot, Ruby on Rails, React Native, React, Angular

Protocols

REST, SOAP, HTTPS

Databases

MongoDB, MySQL, PostgreSQL, Oracle, MariaDB

Technologies

ScikitLearn, TensorFlow, Keras, PyTorch, Docker, CUDA

Contact

📍 5 Rue Cavallotti, Paris

✉ alejandrochb2001@gmail.com

☎ (+33) 06 72 23 42 42

🌐 [linkedin.com/in/cristian-chavez01/](https://www.linkedin.com/in/cristian-chavez01/)

🐙 github.com/AlejandroUN

Education

Institut Polytechnique de Paris – École Polytechnique

2024 – 2025

- Master 2 – Data Science

Institut Polytechnique de Paris – Télécom Paris

2023 – 2025

- Master of Science in Engineering – Data Science, and Computer Vision

Universidad Nacional de Colombia

2019 – 2025

- Computer Science

Langues

- Spanish (Native)
- French (B2)
- English (C1)
- Portuguese

Loisirs

- Playing guitar
- Playing soccer
- Drawing