

Cristian Garcia

DATA SCIENTIST · DEVELOPER

Medellin, Colombia

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🏠 toptal.com/resume/cristian-garcia

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“Background in Math & Physics”

Summary

Cristian is a machine learning engineer and developer with a background in math and physics. He has extensive experience creating machine learning applications in fields such as autonomous vehicles, video analytics, and manufacturing. His strong combination of theory, coding, and infrastructure knowledge enables him to create real products. Contributor to various open source projects including Pypeln (author), Elegy, and Tensorflow Addons. He is a community leader and active speaker at conferences world-wide, founder of the Machine Learning Meetup Medellin, and cofounder of Machine Learning Colombia. Cristian is member of Toptal: top 3% of the developer talent in the world.

Areas of Interest

Deep Learning, Artificial Intelligence, Optimization/Heuristics, Mathematical Modelling, Simulation, Network Analysis, Functional Programming, Distributed Systems

Tools

Main Python (10+ years), TensorFlow, Pytorch, Jax, Numpy, Pandas, Scikit-Learn, Spark, Flask, FastAPI, SQL, Bash, Docker, KubeFlow, GCP, AWS

Other Matlab, Mathematica, C#, Elixir, JavaScript, Dart, Cython, C, Haskell, Java, Lisp, Scala

Experience

Toptal

MACHINE LEARNING CONSULTANT

Machine Learning contractor for clients in the Toptal network.

Remote

Current

Snappr Inc

SENIOR MACHINE LEARNING ENGINEER

Developed Machine Learning applications to automate tasks throughout the company such as client sales prediction, demand forecast, photo aesthetics prediction, image clustering, models using GIS data, and more using both Machine Learning and Deep Learning.

Medellin

1 year

Landing AI

MACHINE LEARNING ENGINEER

Developed Automatic Visual Inspection solutions using Deep Learning techniques for clients in the automotive industry. Developed an internal tool to that enabled training deep learning models with small datasets. Worked on a generative model for images using GANs.

Medellin

1 year

Bigbang Media

LEAD ENGINEER IN COMPUTER VISION

Developed various Deep Learning models for tasks like video classification and event detection in videos using distributed Tensorflow, TPUs, and Dataflow.

Los Angeles, CA

6 months

Kiwi Campus

LEAD DATA SCIENTIST

Lead Data Scientist and Deep Learning developer for autonomous driving delivery robots. Used Deep Learning techniques like CNNs and RNNs for autonomous control, with technologies such as TensorFlow, ROS, Jupyter, Flask.

Berkeley

1 year

BD Guidance

DATA SCIENTIST

Data Scientist: Designed the curriculum of various Data Science/ML courses. Evaluated various IoT platforms. Investigated technologies such a TensorFlow and OpenCV to run ML algorithms in IoT devices.

Colombia

1 year

Senseta

Medellin, Colombia

DATA SCIENTIST

1 year

Developed a Linux and Windows python application for HR software to measure employee productivity. Cleaned and analyzed large datasets using Spark and Zeppelin. Created a service in Python for Entity extracting using NLTK. Created a generic ML prediction service using Scikit Learning and Flask

PTK

Colombia

MATHEMATICAL DEVELOPER

8 months

Researched on strategies to optimize pickup planning in warehouses. Researched on technologies to create scalable multi-tenant software

AristaDev

Colombia

COFOUNDER - DEVELOPER

2 years

Cofounder and main developer on an Augmented Reality platform. I developed the mobile client and backend of Arista using technologies such as Unity3D, Elixir, Docker, Nginx, and PostgreSQL.

Open Source

PYPELN

[pypeln](#) is a simple yet powerful Python library for creating concurrent data pipelines.

ELEGY

[elegy](#) is a Neural Networks framework based on Jax inspired by Keras and Haiku.

Community

Organization/Groups

- Co-founder of [Machine Learning Colombia](#)
- Co-founder of [Machine Learning Meetup Medellin](#)

Talks/Conferences

- Deep Learning for Autonomous Vehicles at [Rockstar Data Scientist - Medellin 2017](#)
- Deep Learning with TensorFlow at [Machine Learning Meetup Medellin](#)
- Introduction to Spark at [Machine Learning Meetup Medellin](#)
- Deep Learning & TensorFlow at [Big Data & Data Science Bogotá](#)
- Deep Learning with TensorFlow at [pataconf](#)
- Introduction to Deep Learning with TensorFlow at [PyCon Colombia](#)
- Scalable Deep Learning with TensorFlow at [ScaleConf Colombia](#)
- TensorFlow for Developers at [Machine Learning Meetup Medellin](#)