Cristian **Garcia**

DATA SCIENTIST · DEVELOPER

Medellin, Colombia

📱 (+57) 314-862-7978 | ✉ cgarcia.e88@gmail.com | 🏠 toptal.com/resume/cristian-garcia | cgarciae | cgarciae

"Background in Math & Physics"

Summary

Machine Learning Engineer and Developer with background in math and physics. Extensive experience creating Deep Learning applications in fields such as autonomous vehicles, video analytics and manufacturing. Expert on several frameworks including Tensorflow, Numpy, Keras, Scikitlearn and Spark. Community leader and active speaker at conferences world-wide, host of the Machine Learning Meetup Medellin, and admin of Machine Learning Colombia. Extremely passionate about programming, open source, deep learning, life-long learning. Member of Toptal: top 3% of the developer talent in the world.

Experience

Snappr Inc
SENIOR MACHINE LEARNING ENGINEER

Medellin

Current

Developing Machine Learning applications to automate tasks throughout the company such as client sales prediction, demand forecast, photo aesthetics prediction using traditional Machine Learning techniques as well as Deep Learning.

Landing AI
MACHINE LEARNING ENGINEER

Medellin

1 year

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.

Kiwi Campus
LEAD DATA SCIENTIST

Berkeley

1 year

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.

Bigbang Media
LEAD ENGINEER IN COMPUTER VISION

Los Angeles, CA

6 months

Developed various Deep Learning models for tasks like Image Classifcation for Video Analysis and Face Recognition using Distributed Tensorflow, TPUs, and Dataflow.

Toptal
TOPTAL DEVELOPER

International

Since 2017

Toptal connects the top 3 % of freelance talent all over the world. **Profile**

BD Guidance
DATA SCIENTIST

Colombia

1 year

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.

Senseta
DATA SCIENTIST

Medellin, Colombia

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
MATHEMATICAL DEVELOPER

Colombia

8 months

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

AristaDev
COFOUNDER - DEVELOPER

Colombia

2 years

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

Open Source Projects Developed

Phi
Phi library for functional programming in Python that intends to remove as much of the pain as possible from your functional programming experience in Python.

Dataget
dataget is a Bash and Python library that helps you download popular, organize and process popular machine learning datasets. Its goal is to make readily available as many ML datasets as posible to users of any language. For Python users it also had the added benefits of exposing an interface to access the training-set and test-set as pandas dataframes or numpy arrays, and also random batch generators of the previous for large datasets.

CyBrain
CyBrain Neural Networks in Cython, inspired by PyBrain, but focused on speed.

tfinterface
tfinterface is a high-level neural network API that tries to reduce the common tasks in building, training and evaluating neural networks, written in coco and python and build on top of TensorFlow. A light wrapper over TensorFlow that enables you to easily create complex deep neural networks using the Builder Pattern through a functional fluent immutable API

Areas of Interest

Deep Learning/Neural Networks, Artificial Intelligence, Optimization/Heuristics, Mathematical Modelling, Agent-based Simulation, Network Analysis, Functional Programming, Distributed Systems

Languages

English C1, Spanish Native

Programming Tools

Programming Languages Python: 6+ years, Matlab: 6+ years, Mathematica : 3+ years, C#: 2+ years, Elixir: 2+ years, JavaScript: 1+ years, Dart: 1+ years, Cython: 1+ years, C, Haskell, Java, Lisp, Scala

Tools/Frameworks

Data Science: Tensorflow (python), Scikit Learn (python), Pandas, Numpy, NetworkX (python), Spark (scala/python), AnyLogic (java)

Development: Phoenix Framework (elixir), Flask (python), Graphine (graphql + python), Git, Unity3D (c#), PostgreSQL, MongoDB, RethinkDB

Community

Organization/Groups

- Co-founder of Machine Learning Colombia
- Co-founder of Machine Learning Meetup Medellin
- Founder of colomb-ia

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

Personal Projects

- Basic ConvNet for the German Traffic Signs Dataset
- SqueezeNet with Batch Normalization on TensorFlow
- An implementation DenseNet with ELU layers on TensorFlow