Gonzalo Contreras Aso

Data Scientist

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About me

I have always been a curious person. This, along with my passion for challenges motivated me to study a B.Sc. in Physics, followed by a M.Sc. in Theoretical Physics in Amsterdam.

Academically satisfied, I went on to work as a developer at the Autonomous University of Madrid, exploiting another one of my pasions, which is programming.

I have solid knowledge of advanced mathematics and programming, tools upon which I have built my skill-set. I love learning, hence I am continously renewing myself, taking courses and puting them intro practice.

Languages

Spanish (Native)

English (IELTS C1)

LinkedIn

Programming skills

Languages and frameworks

Some of the projects carried out using the following languages are publicly available at my GitHub page: (https://github.com/goznalo-git)

2015-Now	**Python**	Advanced

I have been programming in Python since my Bachelor, in different courses, up until now in my job at the UAM. I frequently use libraries like matplotlib, numpy, pandas,...

2019-2020	**Machine/Deep Learning (Scikit-Learn/Keras)**	Medium

Coursera certification: verification link
I have been developing AI projects for the last year, using classifiers such as RandomTrees from Scikit-Learn, or Neural Networks with Keras. I have control over preprocessing techniques, training and testing/evaluating.

2017-Now	**ShellScript & Linux**	Advanced

For the last three years I have been using Linux in my daily life, and a year ago I began writing ShellScripts for the command line.

2020	**MySQL**	Advanced

In my current job I've had to manipulate several databases of the CCC-UAM, for different different purposes.

Other tools

Knowledge of **PySpark** for data analysis and ETL. Frequent use of **Git** for version control. Experience with **Tableau** for data visualization.

Experience

2019-Now	**Programmer**	CCC-UAM

Developer at the Center for Scientific Computation of the Autonomous University of Madrid (CCC-UAM), coding from Python to Linux scripts, as well as MySQL.

Education

2017-2019	**M.Sc. in Theoretical Physics [8/10]**	Universiteit van Amsterdam (UvA)

Graduated *Cum Laude*.

2013-2017	**B.Sc. in Physics [7.3/10]**	Universidad Complutense de Madrid (UCM)

Specialization in Fundamental Physics

Volunteering

2019	**Pint of Science Netherlands**	Amsterdam

Organizer of scientific outreach events, consisting of short talks given at local bars.

2015-2019	**Grupo de trabajo Noether**	UCM

Member of the group, whose goal is organizing workshops for students. I taught the following courses
- **"Introducción a Linux"** (2017)
- **"Análisis de redes complejas con Python y Networkx"** (2019)

2014-2019	**Asociación de Astrónomos Aficionados (ASAAF)**	UCM

Organizer and collaborator of outreach activities organized by ASAAF, an astronomical association.

Distinguished public presentations

2018	**"Electrodinámica para Teóricos", Noether Conferences 2018.**
2016	**"Black Holes for Dummies", Madrid Science Week 2016.**
2016	**"Muerte Estelar", Introduction to Astronomy 2016.**