Jorge Andrés Villa Vélez

Data Scientist

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Skills

Soft
Project management, outreach, teaching, written and oral communication, leadership, teamwork

Technical
Data analysis, algorithm development, machine learning

Programming
Python, C (GSL), SQL, IDL, Bash

Data processing
CIGALE, CASA, Pyraf (IRAF), TOPCAT, DS9, Aladin, Vizier

Text editing
Microsoft office, LibreOffice, LaTeX, Kate, Geany

OS
Linux (Fedora, Ubuntu), Windows, MacOS

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Languages

Spanish → Mother tongue
English → Fluent
French → Fluent

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Links

Website:
https://jurgenvilla.github.io/

GitHub:
https://github.com/Jurgenvilla

MARSEILLE, France

jorgevilla.91@gmail.com
Born on the 28th of November 1991 in Medellín, Colombia

Ph.D. in Astrophysics from Aix-Marseille Université with experience in data analysis of large samples of data (big data) and simulations. I also have experience in project management inside international and European collaborations. I gained experience in the communication of results to large teams. After 3 years of experience in academia, I would like to apply my knowledge and skills in the industry.

Professional Experience

Laboratoire d'astrophysique de Marseille / Researcher

OCTOBER 2018 - NOVEMBER 2021, MARSEILLE, FRANCE

Analaysis of large spectrophotometric samples implementing new models in the bayesian SED fitting code CIGALE. Modification of the code's nebular module.

Models production for the European MOONS (Multi-Object Optical and Near-IR Spectrograph) instrument collaboration and management in the scientific and technical working groups.

Universidad de Antioquia / Teacher

JANUARY 2012 - JUNE 2016, MEDELLIN, COLOMBIA

Teaching of different courses at the Science faculty such as Astronomy for youngesters, Observational Astronomy and Physics of Waves and Oscillations.

Universidad Autónoma de México / Research internship

JUNE 2013 - AUGUST 2013, ENSENADA, MEXICO

Internship in observational Astronomy. Collection of data and posterior analysis of observations from the San Pedro Mártir telescopes.

Education

Aix-Marseille Université / Doctor in Astrophysics and Cosmology
2021, MARSEILLE, FRANCE

Universiteit Leiden / Master in science Astronomy: Research
2018, LEIDEN, THE NETHERLANDS

Universidad de Antioquia / Bachelor in science: Astronomy
2015, MEDELLIN, COLOMBIA