# DAVID LEONARDO PAIPA LEÓN

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github.com/PaipaPsyche

## PROFESSIONAL EXPERIENCE

### ML & DS Consultant
**Management Solutions**

📅 April 2019 – Ongoing                   📍 Bogotá, Colombia / Sao Paulo, Brasil

- Propose strategic models to approach problems that involve databases of external clients, implementing Data Science techniques and Machine Learning models without leaving aside the model interpretation.
- Develop and advise projects in Biometry, Natural Language Processing and Financial Predictions, obtaining performances between 65% - 80% accuracy within the first 6 months of implementation. **Python, Javascript, VBA, SQL, SAS.**

## PROFILE

Computational physicist with **+2 years** of experience working with **machine learning** methods and **data science**. Skilled in **various** programming languages and experience working with interdisciplinary teams. Professional interests oriented to the implementation of **deep learning** models in data analysis, process automation and sample generation. Experience in Bussiness Intelligence, **+2 years** experience as **teacher assistant** and currently active in different student groups of **social impact** and **scientific outreach**. **+3 years** working with **python, Javascript, C and Bash**.

## PROJECTS

### Penrose Trip
**penrosetrip.co**

📅 September 2018 – Ongoing

- Personal Webpage/Blog for scientific outreach, focusing on the boundary between programming, natural sciences and art. Collaborative projects with other scientists and artists. **Techs:** Javascript, HTML, CSS, Git, Python.

## ACHIEVEMENTS

### Ser Pilo Paga Scholarship
**Granted to the best High School students nationwide**

📅 Jan 2015                   📍 Bogotá, Colombia

### Outstanding Result in Saber Pro Test
**Percentile 96 in Colombia's standarized test for graduate students**

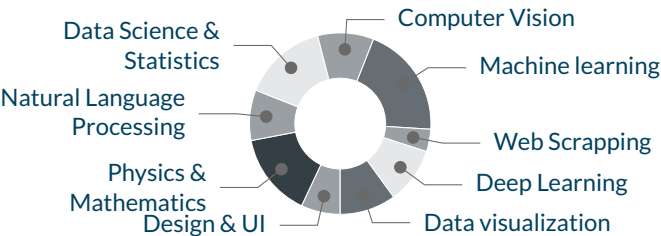📅 Jul 2018                   📍 Bogotá, Colombia

### Deep Learning - Specialization
**5 Courses in the development of cutting-edge AI technologies**

📅 Jul 2020                   📍 Coursera

### Publication in MNRAS letters
**Superclusters from velocity divergence fields**

📅 Oct 2020                   📍 arxiv.org/abs/2010.05160

## PROFESSIONAL SKILLS



Data Science & Statistics · Computer Vision · Machine learning · Natural Language Processing · Web Scrapping · Physics & Mathematics · Deep Learning · Design & UI · Data visualization

## SOFTS KILLS

Learning Potential · Team Work · Creativity · Vocation for teaching · Methodical · Innovative Thinking

## TECHNICAL SKILLS

Python ●●●●●
Javascript ●●●●○
C/C+ ●●●●●
VBA ●●●○○

## STRENGTHS

- Development / DB

HTML · CSS · NodeJS · Angular · p5JS · Jekyll · MongoDB · Express · SQL · SAS · Java · R

- OS/ Tools / IDEs

Windows/Linux OS · Git · Postman · Make files · Eclipse · Bash · Microsoft/Libre Office · Jupyter · Google Colab

- ML & DS Utilities

scikit-learn · pandas · Tensorflow · pyTorch · Word2Vec · Numpy · Seaborn/matplotlib · ml5 [js] · Runway

## EDUCATION

### B.Sc. in Physics
**Universidad de los Andes**

📅 Jan 2015 – Apr 2019          📍 Bogotá, Colombia

Astrophysics and Cosmology. Computational and statistical learning methods.PGA **[3.99/5] Active member:** GOA (Group of Optics of the Andes) & Astroandes.

**Thesis title:** Supercluster characterization in cosmological simulations

### M.Sc. in Physics
**Sorbonne Université / Paris-Diderot Université**

📅 Sept 2020 – Ongoing          📍 Paris, France

## LANGUAGES

Spanish ●●●●●
English ●●●●○
Portuguese ●●●●○
French ●●○○○
German ●●○○○