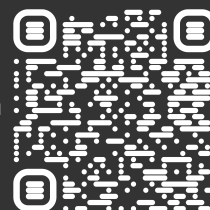# DAVID PAIPA

Currently a master's student in *fundamental physics and applications* at the Sorbonne. My domain is astronomy and computational cosmology, although I work professionally in data analysis and AI development. I have both academic and professional experience in feature engineering, data analysis and development of predictive models. Proactive, innovative, polyglot and skilled in multiple programming languages.

CONTACT

- ✉ davidpaipa03@gmail.com
- 📍 Ivry-sur-Seine, Ile-de-France, France
- 🏠 paipapsyche.github.io
- ⌨ @PaipaPsyche
- in David Paipa

SKILLS

Programming
Python ●●●●●
Javascript ●●●●○
VBA excel ●●●●○
Bash ●●●●○
HTML/CSS ●●●○○
C/C++ ●●●○○

Operating Systems
Linux ●●●●●
MacOS ●●●○○
Windows ●●●●○

Software & Tools
Visualization ●●●●○
(matplotlib, seaborn, VBA, ...)
Data handling/analysis ●●●●●
(numpy, scipy, pandas, ...)
Learning algorithms ●●●●●
(Tensorflow, sklearn, Keras, ml5 ...)
Office Tools ●●●●○
(MS/libre Office, Git, Postman, Make ...)

Another tools
Java, R, Jekyll, node, Angular, MongoDB, SQL, SAS, Addactis.

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

CERTIFICATES

Specialization in Deep Learning
DeepLearining.ai

PROFESSIONAL PROFILE

Computational physicist with **+2 years** of experience working with **machine learning** methods and **data science**. Skilled in **various** programming languages and fluid working with interdisciplinary teams. Professional interests oriented to the implementation of **deep learning** models in data analysis, process automation and sample generation. Experience working in I+D, **+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**.

⚙ WORK HISTORY

📅 04/2019 - 07/2019
📍 Management Solutions [Colombia & Brazil]   AI & DS Consultant
Planning and development of AI models and Data analysis applications. Implementation of predictive and generative schemes in banking data bases.

🎓 EDUCATION

📅 09/2020 - current
📍 Paris, France   Msc. in Fundamental Physics and Applications

Sorbonne Université - Université de Paris

📅 01/2019 - 12/2019
📍 Bogotá, Colombia   Bsc. in Physics
Universidad de los Andes

ACHIEVEMENTS AND PROJECTS

- 🏆 **Publication in MNRAS letters** - "Superclusters from velocity divergence fields" (coauthor) [Arxiv]
- 🏆 **Scholarships awarded by excellence** - *Ser Pilo Paga I* (Colombia, 2015) , *Colfuturo Grant* (Colombia, 2020)
- ⚗ **Penrose Trip project** - Blog on the boundaries between science, programming and art. [penrosetrip.co]

GENERAL SKILLS

Learning potential | Team work | Creativity | Vocation for teaching
Methodical | Innovative thinking | Scientific approach | Soft skills

TECHNICAL SKILLS

Natural Language Processing · Data Science & statistics · Machine Learning · Data visualization · Mathematics & Applied Physics · Algorithm design · Design & UI