Morgane Fortin

Data scientist

- 33 years, French citizen
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Technical Skills

Skill	Level
Linux	●●●
Python	●●●
Fortran	●●●
Mathematica	●●○
C/C++	●●○
Git	●●○
HTML and CSS	●○○

Soft Skills

- Independent thinker
- Responsible & determined
- Excellent communicator
- Team builder & project initiator
- Well-organized and disciplined

Languages

Language	Level
French	●●●
English	●●●
Polish	●●○
Italian	●○○
German	●○○

Personal interests

- Sailing for 20+ years
- Cinema, literature, opera
- Video games
- Genealogy
- Amateur crypto investor
- First aid diploma

Personal Statement

Former astrophysicist turned data scientist bringing 11 years of analytical research experience and dynamism to an organization seeking innovative data-oriented solutions. My adaptability and strong motivation allow me to quickly learn new skills and tools, both in a team and independently. My solid background in problem-solving, programming, and data visualisation, together with my ability to communicate complex ideas across diverse audiences in uncomplicated terms, will be an asset to any organisation.

Education

Date	Details	Location
Mar. 2019	**Data Science School in (Astro-)Particle Physics and Cosmology** Probability, Statistics and Machine Learning	Braga (PT)
2012	**PhD in Astronomy and Astrophysics** Polish Academy of Sciences & Paris Observatory with highest honors; joint Polish & French Ph.D. programme	Warsaw (PL) & Paris (FR)
2009	**MSc in Astrophysics** Pierre and Marie Curie University, Ecole Normale Supérieure & Paris Observatory – with honors	Paris (FR)

Work Experience

Date	Details	Location
Aug. – Sept. 2020	**Data Scientist - S2DS Fellow** Successfully delivered team project for SEGRO PLC (Europe's largest investor in industrial Real Estate) to optimise client's portfolio through Manipulation & Visualization of Geospatial Data (GeoPandas, Folium, Shapely), Web-scraping, Geocoding and extensive use of APIs.	Remote
2014 – Sept. 2020	**Assistant Professor (Nuclear Astrophysics)** Extensive use of Python (NumPy, Matplotlib, SciPy, ...), Data Visualisation and Machine-Learning techniques (linear regression, confidence intervals, correlations, calibration and optimisation of multi-parameter models) on a cluster. Published 30+ articles in renowned international journals, gave 5+ invited talks, 20+ seminars/presentations around the world, and lectures in Physics at all levels across Europe. Key contributor to winning grants (€1.2M in total). Conceived and organised 3 international conferences (50-250 participants each). Member of 3 European networks & 3 Space Mission projects. Contributed to popularisation of astronomy (books, movies, interviews, translations). Mentored female students in STEM from around the world.	Warsaw (PL)
2016 – Sept. 2020	**Visiting Researcher** Completed 10+ projects including machine-learning aspects, acting as a bridge between Astrophysics and Nuclear Physics.	Coimbra (PT)
2012 – 2014	**Postdoctoral Researcher** Worked as an independent researcher building contacts around the world. Expanded my expertise from Astrophysics to include Nuclear Physics.	Rome (IT)