






Morgane Fortin






Data scientist

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
Technical Skills

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

 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

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

Work Experience

Aug. – Sept. 2020	Data Scientist - S2DS Fellow	Remote
	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.	
2014 – Sept. 2020	Assistant Professor (Nuclear Astrophysics)	Warsaw (PL)
	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.	

2016 – Sept. 2020	Visiting Researcher	Coimbra (PT)
	Completed 10+ projects including machine-learning aspects, acting as a bridge between Astrophysics and Nuclear Physics.	

2012 – 2014	Postdoctoral Researcher	Rome (IT)
	Worked as an independent researcher building contacts around the world. Expanded my expertise from Astrophysics to include Nuclear Physics.	