Master's Degree in Data Science@UniPD

Fill the form here below for each available project and send it to us by email.

Company name	CGI Italy s.r.l.
Company description (short text)	Founded in 1976, CGI is among the largest IT and business consulting services firms in the world. From our office in Italy, CGI provides services to the earth observation sector supporting scientists and entrepreneurs in processing Earth Observation data using cutting-edge information technologies.
Company Website	https://www.cgi.com/italy/en
Address	62, Via Fermi Enrico - 00044 Frascati
Company contact (mandatory, name and email)	alessandro.marin@cgi.com
University contact (if any, name and email)	
Type of internship	Artificial Intelligence for Earth Observation
Brief description of activities	Exploit and extend Machine Learning and Deep Learning techniques developed in the Computer Vision domain in the Earth Observation (EO) domain, contributing to address the three fundamental challenges in EO specific cutting-edge artificial intelligence research –Reasoning, Uncertainties, and Ethics.
Required skills	Required skills: • Capability in performing end-to-end analysis (e.g. data gathering, requirements specification, processing, analysis, results presentations).

	• Hands-on experience with Machine Learning, Deep Learning and/or Computer Vision processing. • Experience with common Data Science libraries (e.g. Pandas, Scikit-Learn, NumPy) • Experience with Python, Deep learning frameworks (e.g. PyTorch, TensorFlow, etc.). • Fluent spoken and written English. Desirable qualifications: • Experience to work with large, complex data sets applying advanced analysis • Experience with geospatial data. • Earth Observation applications domain knowledge • Experience with the full machine learning lifecycle, development and operations. • Experience with git. • Microservice architectures: docker containers and kubernetes. • Modern software practices such as TDD, CI/CD.
Languages (writing/speaking)	English
Starting date/period (if any) and expected duration (mandatory)	6 months (minimum)
Available positions	Data Science, Data Engineer
Support (e.g., food, reimbursement of expenses, salary, etc.)	Open