

Master's Degree in Data Science@UniPD

For inquiries: internships.datascience@math.unipd.it

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

Company name	Gran Sasso Science Institute (GSSI)
Company description (short text)	The GSSI is an international PhD school and a center for research and higher education in the areas of Physics, Mathematics, Computer Science and Social Sciences. Located in the city of L'Aquila, in the heart of the Apennine Mountains east of Rome, the institute offers a stimulating environment, with numerous PhD students and postdoctoral researchers selected internationally every year. English is the official language of the institute.
Company Website	www.gssi.it
Address	Viale Francesco Crispi 7, 67100, L'Aquila, Italy
Company contact (mandatory, name and email)	Francesco Tudisco francesco.tudisco@gssi.it
University contact (if any, name and email)	Francesco Rinaldi rinaldi@math.unipd.it
Type of internship	Research oriented
Brief description of activities	We propose research-oriented projects at the interface of numerical linear algebra, optimization, network science and machine learning. The proposed internship projects will mix computational and mathematical challenges to address timely and practical research questions in network science and machine learning. All projects will aim at being published on high-impact international conferences or journals in the field. Some specific topics that will be subject of investigation for the internship projects include: Graph neural networks; feature learning, feature selection; community detection, node centrality and friendship paradoxes in complex networks.

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ANNI



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



DATA SCIENCE
UNIVERSITY OF PADOVA



**DIPARTIMENTO
MATEMATICA**

DIPARTIMENTO DI MATEMATICA "TULLIO LEVI-CIVITA"

Required skills	Basic knowledge of linear algebra and optimization. Basic knowledge of either Matlab, Julia or Python programming languages
Languages (writing/speaking)	English
Starting date/period (if any) and expected duration (mandatory)	Between 4 and 9 months depending on the choice of the project
Available positions	4
Support (e.g., food, reimbursement of expenses, salary, etc.)	During the period of the internship, all students will be given a full Matlab licence, access to GSSI computing server and library, a working desk in the PhD students area of GSSI, access to GSSI canteen and other common spaces.