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	CTTC/CERCA
Company description (short text)	The Centre Tecnològic de Telecomunicacions de Catalunya (CTTC) is a non-profit research institution based in Castelldefels (Barcelona), resulting from a public initiative of the Regional Government of Catalonia (Generalitat de Catalunya). Research activities at the CTTC, both fundamental and applied, mainly focus on technologies related to the physical, data-link and network layers of Communications and Remote Sensing technologies
Company Website	http://www.cttc.es/
Address	Parc Mediterrani de la Tecnologia - Building B4 Av. Carl Friedrich Gauss 7 08860 - Castelldefels Barcelona (Spain)
Company contact (mandatory, name and email)	Dr. Paolo Dini, paolo.dini@cttc.es
University contact (if any, name and email)	
Type of internship	Erasmus
Brief description of activities	**Mobile App identification**: automatic classification of mobile applications with DL through their LTE physical control channel fingerprint. **Mobile Traffic Anomaly Detection**: automatic detection of legitimate activities that may cause traffic anomalies (e.g., concerts, football matches) through mobiles transmissions fingerprint. **Urban Mobility Analysis**: generation of dynamic maps of the urban population in order to capture

	the time-varying density of people across metropolitan areas, by combining multiple and heterogeneous data sources, I.e., geographical information system (GIS) and mobile transmissions fingerprint.
Required skills	Machine Learning, Python, R
Languages (writing/speaking)	English/Italian/Spanish (writing and speaking)
Starting date/period (if any) and expected duration (mandatory)	April 2021 – 6 months
Available positions	Research Assistant
Support (e.g., food, reimbursement of expenses, salary, etc.)	Accommodation: CTTC provides the visiting researcher with a collaborative tool to find suitable accommodation. Working conditions: The visiting researcher has the possibility to work from home during COVID-19 pandemic and with flexible time-schedule.