Elia Guerra

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in elia-guerra

Work Experience

Dic. 2021 – Preset	**Early-stage researcher in Sustainable Artificial Intelligence for EU-MSCA-GREENEDGE**, *Centre Tecnològic de Telecomunicacions de Catalunya* Supervisors: Dott. Paolo Dini and Dott. Marco Miozzo.
July 2020 – Sept 2020	**Web Development Stage**, *SyncLab*, Padua Studying Oracle SQL, NoSQL databases, Spring and Angular.
June. 2019	**Data Acquisition Stage**, *National Institute for Nuclear Physics*, Padua Temperature monitoring system development.

Education

Dic. 2021 – present	**PhD student in Signal Theory and Computation**, *Universitat Politecnica de Catalunya* Supervisor: Prof. Mario Garcia-Lozano
Sept. 2019 – July 2021	**Master's Degree in Computer Engineering**, *University of Padua*, *summa cum laude* Thesis: *Evasion attacks against automatic content moderation systems.* Advisor: Prof. Mauro Conti
Sept. 2016 – Sept. 2019	**Bachelor's Degree in Information Engineering**, *University of Padua*, *summa cum laude* Thesis: *Streaming algorithms for k-center clustering: analysis and implementation.* Advisor: Prof. Geppino Pucci
Sept. 2011 – July 2016	**Secondary School Diploma**, *Liceo Scientifico C. Cattaneo*, Monselice, Padua, *100/100*

Submitted Publications

Elia Guerra, Francesc Wilhelmi, Marco Miozzo, and Paolo Dini. "How Much Does It Cost to Train a Machine Learning Model over Distributed Data Sources?" In: *arXiv preprint arXiv:2209.07124* (2022).

Francesc Wilhelmi, Elia Guerra, and Paolo Dini. "On the Decentralization of Blockchain-enabled Asynchronous Federated Learning". In: *arXiv preprint arXiv:2205.10201* (2022).

Achievements

Sept. 2021	**Mentee at Lead The Future** Among the few Italian students selected to be mentees for LeadTheFuture, a leading mentorship non-profit organization for students in STEM, with acceptance rate below 20%.
2018	**Mille e una lode** Scolarship as one of the best students at the University of Padua.

Computer Skills

Programming: Python, MATLAB, Java and C
Frameworks: PyTorch and Tensorflow

Language Skills

Italian	Native
English	C1
Spanish	A1