

LORENZO PAPPONE

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EDUCATION

Saint Louis University

Ph.D. Student in Computer Science
Department of Computer Science

Aug 2021 - current
St. Louis, MO, USA

University of Naples Federico II

B.S & M.S in Computer Engineering
Department of Electrical Engineering and Information Technology

2015 - 2021
Naples, Italy

PERSONAL SKILLS AND COMPETENCES

Language: Italian (native), English (fluent)

Programming: Python, Java, Scala, C/C++, Javascript

Other Tools: git, MATLAB, Spark, Hadoop, Flask, Tensorflow, Keras, MySQL, PostgreSQL

WORK EXPERIENCE

Research Assistant

Saint Louis University

2021 - current
St. Louis, MO, USA

Visiting Scholar

Boston University

May 2023 - Sep 2023
Boston, MA, USA

Visiting Scholar

KTH Royal Institute of Technology

May 2022 - Sep 2022
Stockholm, Sweden

Data Engineer

Almaviva DigitalTec

Mar 2021 - Ago 2021
Naples, Italy

Graduate Research Assistant

University of Naples Federico II

Oct 2020-Mar 2021
Naples, Italy

PUBLICATIONS

- [1] Bhavanasi, S. S., **Pappone, L.**, Esposito, F., "Dealing with changes: Resilient routing via graph neural networks and multi-agent deep reinforcement learning," *IEEE Transactions on Network and Service Management*, 2023. DOI: 10.1109/NFV-SDN56302.2022.9974607.
- [2] Bhavanasi, S. S., **Pappone, L.**, Esposito, F., "Routing with graph convolutional networks and multi-agent deep reinforcement learning," pp. 72–77, 2022. DOI: 10.1109/TNSM.2023.3287936.
- [3] Amoroso, R., **Pappone, L.**, Esposito, F., "A federated learning approach to traffic matrix estimation using super-resolution techniques," pp. 473–476, 2023. DOI: 10.1109/CCNC51644.2023.10060210.
- [4] **Pappone, L.**, Cerasuolo, F., Persico, V., Ciunzio, D., Pescape, A., Esposito, F., "Prediction of mobile-app network-video-traffic aggregates using multi-task deep learning," pp. 1–6, 2022. DOI: 10.23919/IFIPNetworking55013.2022.9829800.
- [5] **Pappone, L.**, Sacco, A., Esposito, F., *Mutant: Learning Congestion Control from Existing Transport Protocols*, under submission at INFOCOM 2024.
- [6] **Pappone, L.**, Esposito, F., *Inferring Internet Traffic Visibility via Distributed Deep Residual Networks*, (under preparation).