ANDREA PINTO

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EDUCATION

Saint Louis University, St. Louis, MO, US ***Aug 2021 - current***
Ph.D. Student in Computer Science GPA 3.98/4.0

University of Naples Federico II, Naples, Italy ***Oct 2020***
B.S & M.S in Computer Engineering 110/110 cum laude

EXPERIENCE

Saint Louis University, St. Louis, MO, USA ***Aug 2023-current***

· ***Teaching Assistant (Computer Networks).***

IMDEA Networks Institute, Madrid, Spain ***May 2022-Aug 2022***

· ***Visiting Ph.D. Student*** *Research*: 5G Localization, Mobile Networking, Edge Computing.

Saint Louis University, St. Louis, MO, USA ***Aug 2021-current***

· ***Graduate Research Assistant*** *Research*: Computer Networks, New Radio, Network Virtualization, Distributed Learning.

Ericsson R&D, Naples, Italy ***Jan 2021-Jul 2021***

· ***Cloud Engineer*** Microservice-based architectures (Docker, Kubernetes GoLang).

Ericsson Research, Helsinki, Finland ***Feb 2020-Aug 2020***

· ***Research Intern*** IoT Heterogeneous interoperability protocol design.

SKILLS AND COMPETENCES

Programming Languages: Python, C/C++, Java, Javascript, GoLang.

Other Tools: Linux, Docker, SDN, Open Radio Access Network (RAN) of the next generation of cellular networks, Linux Network stack, git, ML, DL, RL, MATLAB, IoT, FPGA.

PUBLICATIONS

[1] A. Pinto, A. Ashdown, T. Bin Hassan, H. Cheng, F. Esposito, L. Bonati, S. D'Oro, T. Melodia, and F. Restuccia, "Hercules: An emulation-based framework for transport layer measurements over 5g wireless networks," in *Proceedings of the 17th ACM Workshop on Wireless Network Testbeds, Experimental Evaluation & Characterization*, ser. WiNTECH '23. New York, NY, USA: Association for Computing Machinery, 2023, p. 72–79. [Online]. Available: https://doi.org/10.1145/3615453.3616516

[2] Z. Zhang, A. Pinto, V. Turina, F. Esposito, and I. Matta, "Privacy and efficiency of communications in federated split learning," *IEEE Transactions on Big Data*, vol. 9, no. 5, pp. 1380–1391, 2023.

[3] A. Pinto, G. Santaromita, C. Fiandrino, D. Giustiniano, and F. Esposito, "Characterizing location management function performance in 5g core networks **(Best Student Paper Award)**," in *2022 IEEE Conference on Network Function Virtualization and Software Defined Networks (NFV-SDN)*, 2022, pp. 66–71.

[4] ——, "Experimenting with localization management functions in 5g core networks," in *Proceedings of the 28th Annual International Conference on Mobile Computing And Networking*, 2022, pp. 806–807.