

# ANDREA PINTO

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## EDUCATION

**Saint Louis University, St. Louis, MO, USA**

Ph.D. Student in Computer Science

*Aug 2021 - current*

GPA 3.98/4.0

**University of Naples Federico II, Naples, Italy**

B.S & M.S in Computer Engineering

*Oct 2020*

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, 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.
- [2] 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, 2023, p. 72–79.
- [3] 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.
- [4] A. Pinto, G. Santaromita, C. Fiandrino, D. Giustiniano, and F. Esposito, "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.