

Angelo Feraudo

Contact

Location:

Bologna, Italy | Open to Relocation (National and International)

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Personal Website:

https://aferaudo.github.io/new_website/

Languages

Italian, English

Coding Experience

Java, C, C++, Python, JavaScript, Shell

Working Environments

Eclipse, PyCharm, OMNeT++, Visual Studio, Git, Arduino IDE, Vim, Latex

Tools

Security and Networking

Burp Suite, Zen Map, DirBuster, Docker, Proxmox, Virtual Box, Kubernetes, Omnet++

DevOps Tools

GitHub actions, DockerHub, GitHub pages, Zenodo

Publications

Scholar Profile: https://scholar.google.com/citations?user=dw3md_wAAAAJ&hl=en&oi=ao

Certificates

IELTS C1 - 7 avg
Italian Car License
EASA Drone License(A1-A3)

Cover Letter

I am a PhD candidate at the University of Bologna, deeply passionate about research in networking and data security. My research spans IoT networks, cloud-edge integration, and secure vehicular communications.

Currently, I am focusing my research on cutting-edge technologies in areas such as vehicular networks, 5G networks, O-RAN, and edge computing. During my Ph.D., I completed research stays at the University of York (UK) and Northeastern University (USA), focusing on O-RAN deployments and xApp development.

Working experience

- Apr-Nov 2021 **Research scholarship: Federated and Reinforcement Learning for Industrial Environments** University of Bologna (full-time)
- Sep-Feb 2021 **Research Visiting - Analysis and study of IoT network traffic** University of Cambridge (part-time)
- Jul-Sep 2020 **HORIZON INTERNSHIP - 05 (DADA): Traffic scheduling in home IoT networks using deep reinforcement learning** University of Nottingham (full-time)
- Apr-Jun 2020 **ACM-W UK Inspire 2020: Setting Research Support in Machine Learning for ACM-W UK funded Internship** University of York (part-time)

Education

- Nov 2021 - Exp Apr 2025 **PhD student in Computer Science and Engineering** University of Bologna (full-time)
Periods abroad:
University of York (UK);
Northeastern University (Boston, USA).
- 2020 **Qualified Italian computer engineer**
- 2017-2020 **MSc in Computer Engineering**
Alma mater studiorum University of Bologna
Thesis title: **Distributed Federated Learning in Manufacturer Usage Description (MUD) Deployment Environments**
Final grade: **110/110 with honours**
- 2013-2017 **Bachelor's Degree in Computer Engineering**
Alma Mater Studiorum University of Bologna
Thesis title: **Implementazione di Network Function Virtualization attraverso container Docker in una rete SDN**
Final grade: **103/110**

Teaching Activities

- Feb-June 2025 **Tutor for the course Foundations of Informatics and Laboratory, in Electronics and Telecommunications Engineering, University of Bologna** 40 hours
- Sep-Dec 2024 **Tutor for the course Laboratory of Information Technology, in Chemical Engineering, University of Bologna** 30 hours
- Feb-Oct 2023 **Tutor for the course Computer Fundamentals T-1 A-K, in Management Engineering, University of Bologna** 30 hours
- Oct 2022 **CASUAL WORK EMPLOYMENT AGREEMENT, Didactic coach of the course "Services and Innovation for Industry 4.0 (SII40)", Fondazione Alma mater** 40 hours
- Feb 2018 - Jul 2019 **Tutor for the course Computer Fundamentals T-1 L-Z, in Management Engineering, University of Bologna** 30 hours