

Johann Hugon

PH.D. STUDENT

ENS Lyon, LIP, HoWNet team.

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Education

Ecole Normale Supérieure (ENS)

PH.D. IN COMPUTER SCIENCE - ADVISED BY PROF. ANTHONY BUSSON AND PROF. FRANCESCO

BRONZINO

Thesis topic : "Modeling Modern Network Traffic for Automated Machine Learning in Network Systems"

Université Claude Bernard (UCBL)

MASTER OF SCIENCE IN SYSTEMS, NETWORKS AND VIRTUAL INFRASTRUCTURES

Université Claude Bernard (UCBL)

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Lyon

2022 - now

Lyon

2022

Lyon

2020

Publications

PREPRINT

Cruise Control: Dynamic Model Selection for ML-Based Network Traffic Analysis

J. Hugon, P. Schmitt, A. Busson, F. Bronzino

arXiv preprint arXiv:2412.15146 (2024)

CONFERENCE

The Cost of Packet Loss on ML-Based Traffic Analysis

J. Hugon, P. Schmitt, F. Bronzino

2025 IEEE 31st International Symposium on Local and Metropolitan Area Networks (LANMAN)

WORKSHOP

Towards Adaptive ML Traffic Processing Systems

J. Hugon, G. Nodet, A. Busson, F. Bronzino

Student Workshop of CoNEXT'23

<https://doi.org/10.1145/3630202.3630227>

POSTER

Dynamic Features Collection from Network Traffic for Machine Learning.

J. Hugon, A. Busson, F. Bronzino January 2023.

GDR RSD non-thematic day (Groupement De Recherche Réseaux et Système Distribué)

RoMA: rotating MAC address for privacy protection.

J. Hugon, M. Cunche, and T. Begin.

In Proceedings of the SIGCOMM '22 Poster and Demo Sessions (SIGCOMM '22).

<https://doi.org/10.1145/3546037.3546055>

Experience

Visiting Student - NOISE Lab

ADVISED BY PROF. NICK FEAMSTER

University of Chicago

Winter-Spring 2025

Research intern - CITI Lab*, LIP Lab.*

ADVISED BY PROF. THOMAS BEGIN* AND PROF. MATHIEU CUNCHE*

Internship topic : "Rotation of virtual WLAN interfaces for privacy protection"

INSA Lyon, ENS Lyon

2021-2022

Teaching

Spring 2024 **Architectures and Operating Systems**, Teaching Assistant

ENS Lyon

Fall 2023 **Network**, Teaching Assistant

ENS Lyon

Spring 2023 **Architectures and Operating Systems**, Teaching Assistant

ENS Lyon

Preparation to the agrégation of Computer Science, Teaching Assistant

ENS Lyon

Professional Service

TECHNICAL PROGRAM COMMITTEE MEMBER

2025 **Artifact Evaluation of ACM SIGCOMM**, Member