

Lam DINH

Research Engineer in Network Optimization

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🌐 <https://dnlam.github.io/>

🏠 Lam Dinh 🎓 Lam Dinh



WORK EXPERIENCE

Research Engineer in Network Automation

2024 - current

Orange Innovation, Châtillon, France

- End-to-End Network Optimization and Automation
 - Thematic: Machine Learning, Large Language Models (LLMs), Network self-management and deployment.

Research Engineer in Network Optimization

2022 - 2024

Huawei Paris Research Center, Boulogne-Billancourt, France

- Networking and Traffic Optimization
 - Thematic: Network Optimization, System Level Simulation, Parallel and GPU Computing.
 - Results: Scientific papers 📄, AI/LLM-based network simulation platform.

Research Engineer in Wireless Communications

2019 - 2022

CEA-LETI, Grenoble, France

- Wireless Protocols for Ultra Reliable - Low Latency Communications (URLLC)
 - Thematic: 3GPP RAN, System Simulation & Hardware Experiment, Machine Learning for 5G Network.
 - Results: 2 filed patents, 1 journal article, 5 conference papers 📄.

Master Internship

2019 (6 months)

CEA-LETI, Grenoble, France

- Light-Fidelity (LiFi) Communication Systems.
 - Thematic: Optical/Digital Signal Processing, Optical-Wireless Experiment, Measurements.
 - Results: 1 conference paper 📄, demo with ground-breaking transmission record.

Summer Internship

2018 (3 months)

University of Bordeaux, France

- Wireless Power Transfer to Millimetre-Scale Medical Implants.

Engineer Internship

2016 (6 months)

Hanoi University of Science and Technology, Vietnam

- Digital Signal Processing for Satellite Communications using FPGA.

EDUCATION

Doctorate in Mathematics and Telecommunications

2019 - 2022

Université Grenoble-Alpes (France)

- 🎓 Centralized orchestration and hybrid resource management for URLLC system.
 - Fields: Wireless Protocols, Network Simulation, Scientific Computing and Mathematical Optimizations.

Master in Molecular Photonics for Telecommunications

2017 - 2019

ENS Paris Saclay (France) and Complutense University of Madrid (Spain).

- 🎓 Advanced Optics, Microwave Photonics, Biomedical Signal Processing (**Results: très bien**).

Academic Exchange in Telecommunication Technologies

2016 - 2017

Polytechnic University of Valencia, Valencia (Spain)

- 🎓 Signal Theory, Mobile Communications and Network Protocols (**Results: with honors**).

Electronics and Communications Engineering

2011 - 2016

Hanoi University of Science and Technology, Hanoi (Vietnam)

- 🎓 Digital Signal Processing, Radio Communication Theory and Mobile Communications (**Results: Top 1%**).

SKILLS

Languages English (Proficient C1) French (Intermediate B2) Spanish (Intermediate B1)

Programming C/C++, PYTHON(PYTORCH/TENSORFLOW/FASTAI), JULIA, MATLAB, CSS/HTML

Tools/Platforms UNIX/LINUX, NETWORK SIMULATOR(NS3), GIT, SOLVER(SCIP/CPLEX), DOCKER,K8S