Lam DINH

Research Engineer in Networking

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Lam Dinh Lam Dinh

WORK EXPERIENCE

Research Engineer in Networking — **2022 - current**
Huawei Paris Research Center, Paris

- Safe Network and Traffic Optimizations for SD-WAN systems
  - Thematic: Traffic Engineering, Network Optimizations, Deep Reinforcement Learning, System simulation.
  - Current results: 2 ongoing conference + 1 journal papers.

Research Engineer in Wireless Communications — **2019 - 2022**
CEA-LETI, Grenoble

- Resource allocation approaches for Ultra Reliable and Low Latency Communications (URLLC)
  - Thematic: 5G protocols/ 3GPP, System Simulation & Hardware Experiment, Deep Reinforcement Learning.
  - 2 filed patents, 1 journal article, 5 conference papers.

Master Internship — **2019 (6 months)**
CEA-LETI, Grenoble

- Light-Fidelity (LiFi) Communication Systems.
  - Thematic: Digital/Optical Signal Processing, Optical Wireless Experimentation, μLED Characterizations.
  - Results: 1 conference paper, ground-breaking transmission record.

Summer Internship — **2018 (3 months)**
Laboratory of Integration of Material and System (IMS), University of Bordeaux

- Methods for wirelessly powering the implantable medical devices (millimetre scale).

Engineer Internship — **2016 (6 months)**
Hanoi University of Science and Technology (Vietnam)

- Developments and optimizations of a transceiver design for satellite communication in FPGA.

EDUCATION

Doctorate in Telecommunications — **2019 - 2022**
Université Grenoble-Alpes (France)

- Centralized orchestration and hybrid resource allocation for URLLC system.
  - Fields: Wireless Protocols, Mathematical Optimizations, Machine Learning.

Master in Molecular (nano-bio)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, Interoperability of IoTs and Network Protocols (***Results: with honors***).

Electronics and Communications Engineering — **2011 - 2016**
Hanoi University of Science and Technology, Hanoi (Vietnam)

- Digital Signal Processing, Mobile Communications and Embedded Programming (***Results: Top 1***%).

SKILLS

Languages	English (Proficient C1) French (Intermediate B1-B2) Spanish (Intermediate B1)
Programming	C/C++, Python(Pytorch/Tensorflow/FastAI), JULIA, MatLab, HTML
Tools/Platforms	UNIX/Linux, Git, Cloud Computing, Solvers (SCIP/CPLEX), Docker