Lam DINH
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WORK EXPERIENCE

Research Engineer in Wireless Communications
2019 - present

CEA-LETI, Grenoble

- Research and Developments of Wireless Communication Systems
    - ■ Objectives: Optimizations of Ultra Reliable and Low Latency Communication Protocol.
    - ■ Thematic: 5G New Radio, IoT, Network Orchestration, Mathematical Optimizations, Deep Reinforcement Learning, Parallel Computing.
    - ■ Current results: 1 patent, 1 journal article, 3 conference papers.

Master Internship
2019 (6 months)

CEA-LETI, Grenoble

- Studies of Visual Light Communication (VLC) Systems.
    - ■ Objectives: Amelioration of Light-Fidelity (LiFi) Communication using single GaN blue micro-light-emitting diode (micro-LED).
    - ■ Thematic: Digital/Optical Signal Processing, Optical Wireless Experimentation, μLED Characterizations.
    - ■ Results: 1 conference paper, algorithm and testbed set breakthrough record which opened a thesis proposal and commercialized applications.

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)

- Development and optimization of a transceiver design for satellite communication in FPGA.

EDUCATION

Doctorate in Telecommunications
2019 - present

Université Grenoble-Alpes (France)

- Subject: "Enhancements of Deterministic Ultra-Reliable Low Latency Communication by opportunism"

Master in Molecular (nano-bio)photonics for telecommunications
2017 - 2019

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

- Molecular photonics for telecommunications and bio-technologies (***Results: très bien***).

Academic Exchange in Telecommunication Technologies
2016 - 2017

Polytechnic University of Valencia, Valencia (Spain)

- Signal theory, Digital Communications and Network protocol (***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: très bien***).

SKILLS

Languages	English (Proficient C1) French (Intermediate B1) Spanish (Intermediate B1)
Programming	PYTHON(PYTORCH/TENSORFLOW/FASTAI), JULIA, C/C++, MATLAB, HTML
Information	UNIX/LINUX, GIT, JENKINS, CLOUD PLATFORMS (GCP,AZURE), DOCKER