



AI & SECURITY

CONTACT

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CORE EXPERTISE

AI & MACHINE LEARNING

LLMs LangChain LangGraph
AI Agents Fine-tuning

SECURITY

Network Security DPI
Threat Detection Cybersecurity

DEVELOPMENT

Python JavaScript Node.js
React C/C++ Docker Flutter

LANGUAGES

English PROFESSIONAL
French WORKING
Vietnamese NATIVE

PUBLICATIONS

Digital Twin for IoT Environments: A Testing and Simulation Tool
SINDIT: Knowledge Graph-Based Digital Twins in Smart Manufacturing
LLMs in Security Testing and Monitoring: An Initial Study
Reliable Detection of Interest Flooding Attack in NDN
DPWSim: Simulation toolkit for IoT applications

Luong NGUYEN

SENIOR AI & CYBERSECURITY ENGINEER

Software engineer with 10+ years of experience building secure, intelligent solutions for network security and industrial automation. Expert in integrating LLMs and AI agents into production systems. Track record of leading European R&D projects with major industry partners.

PROFESSIONAL EXPERIENCE

Montimage

May 2015 – Present

Senior Research & Development Engineer

Paris, France

- Lead development of AI/ML-powered solutions for network security and automation across multiple European research projects
- Fine-tune LLMs and build intelligent agents powering anti-phishing services and real-time security alerting
- Integrate advanced AI technologies (LangGraph, LangChain) into scalable SaaS applications
- Established SCRUM, CI/CD pipelines, and automated testing, improving delivery efficiency by 40%

KEY EUROPEAN PROJECTS

COGNIMAN – AI/ML Digital Twin CyberSuite – AI Security Tools Puzzle – ACAS Security Analytics
Geiger – Mobile Cybersecurity ENACT/DigitBrain – IoT ML

Tech: Python, LangChain, LangGraph, JavaScript, Node.js, React, C/C++, Docker, Flutter

Percevio

Mar 2014 – Feb 2016

Full-Stack Developer

Paris, France

- Pioneered browser-based content delivery network using WebRTC APIs
- Developed video conferencing platform, P2P file sharing, and live broadcasting solutions

Tech: WebRTC, Express.js, JavaScript, MongoDB, Web APIs

lebondrive.fr

Jun – Sep 2013

Java Developer

Evry, France

- Built web crawler for price comparison with parallel computing optimization

Tech: Java, HTTPClient, Jsoup, Parallel Computing

FPT Software / VTC Online

May 2011 – Apr 2012

Software Developer

Hanoi, Vietnam

- Developed Java and Android applications; led small development teams

EDUCATION

MSc, Software Engineering for Ambient Intelligence

Institut National des Télécommunications

2012 – 2014

Engineer's Degree, Computer Science

Hanoi University of Science and Technology

2007 – 2012