

VU Thanh Tung

(+33)753298405 | **Mail:** vuthanhtung2016hn@gmail.com | **LinkedIn:** thanh-tung-vu-2016hn | **GitHub:** vuthanhtung2412 |
Website: vuthanhtung2412.github.io

Experiences

Lab FOTON, Rennes 07/2023 - 09/2023
Research Intern

- Developed an application with Qt for laser control and data analytics, the application facilitated laser experiments of the lab.
- Interfaced Python code with FPGA machines for experiment control, achieved 10ns synchronization.
- Designed pulse sequence to reproduce Rabi pulse and ODMR experiment on NV defects.

ARMOR Group, Nantes 06/2022 - 08/2022
DevOps Intern

- Deployed mock servers to test jobs on 10 different scheduling tools and made comparisons.
- Deployed a pre-production server for Rundeck application, the app saved 30 minutes everyday processing tickets for IT team.
- Studied RFC5424 logging convention and adapted the enterprise application to this convention to facilitate log processing.
- Tested **5 monitoring tools** with Docker, compared these tools to propose the best one.
- Done log rotation on Elasticsearch server, resulted in 90% of reduction of memory size.

Education

Institut national des sciences appliquées de Rennes, Rennes 2019 - 2024

- Engineer of Computer Science, GPA: 3.5/4
- Foreign study at Korean Advanced Institute of Science and Technology, GPA: 92/100
- Relevant Coursework: DSA, High Performance Computing, Quantum Information, Design Pattern, Graph Neural Network, AI&ML, Reinforcement learning, OOP

High school for the gifted Hanoi - Amsterdam, Hanoi 2016 - 2019

- Major: Physics, GPA: 9.0/10
- Relevant Coursework: Electromagnetic, Calculus

Projects

SUDOKU

- Description: An Angular website to play Sudoku
- Designed a UML diagram with undo redo design patterns.
- Tech stack: Angular, Spring boot

Archeometal

- Description : An 3D environment to help archeologist better study artifacts, with their tools integrated
- Developed different mode of study of archeological artifacts and a 3D menu to switch between these modes of study.
- Extracted data from .csv file and dynamically mapped these data to display interesting details of artifacts in 3D environment.
- Developed customized object grabbing mechanism.
- Tech stack: Unity3D, Git LFS

Frinine

- Description : An website for hosting event and selling tickets online.
- Tech stack : Angular, MongoDB, Firebase, GitLab.

Skills & Certificates

Programming: Python, Java, C++, Git, MongoDB.

DevOps: Docker, Linux, Rundeck, GitHub Actions, GitLab CI/CD, Ansible, ELK stack, Kubernetes.

Web: Angular, JavaScript, Typescript, HTML, CSS, Angular Material, Bootstrap.

Certificates :

- Spark and Python for Big Data with PySpark | Udemy
- SQL Advanced | HackerRank
- Machine Learning (Stanford) | Coursera

Accomplishments & Certificates

Finalist Cod'INSA, represented INSA de Rennes to compete with other INSAs.

Activities & Extracurriculars

SVREN, lead video creator 2020 - 2023

- Created every video for events of the association for 2 years 2021 and 2022, attracted more than 15k views.