26/06/2002 (22 yo)

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751 Chemin du Mesnillet
27340,Criquebeuf sur Seine

| Skills

In physics:

Cf INSA Formation

In programming:

- HTML, PHP, JS, Vitepress, Plotly, Bootstrap
- Python, Fortran, Pascal, LaTeX
- Software development : Electron
- Ubuntu LAMP private server management (distribution, security)

In Data Science:

- Matlab, Scilab
- Local (MySQL/PHP) and remote (MongoDB) database management

In modeling

- SolidWorks, Catia V5
- YALES2, OpenFOAM, Ansys, Cantera, Amesim, EES

Various :

Open office, Photoshop, Première Pro

| Languages

French (Native language), English: B2 (TOEIC : 885/990), Spanish: B2

| Certifications

INRS Certificate (2024)

Certificate of competence in civil security prevention and first aid level 1 (2015)

Yanis Delamare

Student in 5th year of engineering school in Energy and Propulsion at INSA Rouen

Looking for a 6-month internship in Machine Learning and CFD.

| Professional experiences & Important project

4th year internship: Development of simulation and visualization tools
May - July 2024 – DENIOS headquarters located in Germany
Improving thermal simulation tools through experiments. IT project development. Visualization tools & study of RFID project implementation.

4th year: Project INSA entreprise with the ArianeGroup company
January - April 2024 – CORIA
LES Simulation - Study of a two-phase flow in a cryogenic tank subjected to sloshing. This project is supervised by ArianeGroup and the CORIA-CFD research laboratory, which provides us with the YALES2 software in order to resolve a problem given by ArianeGroup

3rd year internship: Development of simulation and visualization tools
June - July 2023 – DENIOS headquarters located in Germany
Study of heating chamber operation, development of a complete website: thermal evolution simulation, determination of electricity consumption and duration of industrial processes, data visualization and complete documentation for process optimization and commercial communication.

1st year internship: Discovery of the working world
July 2021 – Renault Cléon
Gearbox pinion sector. Discovery of the production process, machining methods, different quality controls and team/autonomous line management.

| Training

2020-2025 : Engineering cycle at INSA Rouen Normandie in the Energy and Propulsion department

➥ Thermal Transfers, Thermodynamics, Fluid Mechanics, Combustion, Turbulence, CFD, CAD, Gas Dynamics, Digital, electrical and electronic methods, Turbines, Turbomachines, Two-phase flow, Strategy and Finance Management, Project Management, Communication

2019-2020 : Diploma of the General Baccalaureate series S, Speciality Mathematics, with honors

2019 : Bronze medal at the Geosciences Olympiads of the academy of Rouen

| Areas of interest

In my free time, I carry out IT projects which have allowed me to acquire skills in a lot of IT fields.
Rigorous, motivated, curious, resourceful, eager to learn, open-minded, dedicated and committed. Passionate about innovations and new technologies. Strong interest in space conquest, cosmology and sciences in general. Sensitive to environmental protection. Piano.

| About

I would like to direct my professional project towards the development of computer tools for physical calculations and simulations, making it possible to model concrete problems and respond to issues. Accompanied by the creation of tools facilitating the visualization and processing of data. With a focus on modularity, versatility, clarity and professionalism.