NATHAN LAOUÉ

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 Naatyu ↗

PROFILE

As a soon-to-be-graduated student, I was able to acquire skills in programming and deep learning through different experiences. I was also able to experience teamwork and prove my adaptability and motivation.

CORE COMPETENCIES

- **Python,** Matlab, C++, Javascript
- **Deep Learning** (data mining, data selection, MLP, CNN, RNN)
- **Aeronautics** (flight mechanics, aerodynamics, turbomachinery)
- **Mechatronics** (automation, signal theory, stochastic optimal control)
- **Organized, Team player, Autonomous**

EDUCATION

ELISA Aerospace | Bordeaux, France

Aerospace and Mechatronics engineering | 2017 - 2022

Lycée Notre Dame de la Compassion | Marmande, France

Bac S with honors | 2014 - 2017

LANGUAGES

🇬🇧 English - TOEIC 940 (C1 level)

🇩🇪 German - B1

🇰🇷 Korean - A2

🇫🇷 French - Native

EXPERIENCE

Engineering internship

Directorate General of Armaments | March - August 2022 ↗

- Study of the feasibility of compensating magnetic measurements using deep learning methods
- Deep exploration of data and classical methods for compensating magnetic measurements
- Comparison of different deep learning model architectures (MLP, CNN, RNN) in PyTorch
- Collaboration with MIT/USAF and several French actors on the subject

Engineering internship

Airbus Nantes | April - September 2021

- Deployment of the first outdoor AGV on the Airbus Nantes site for logistic uses
- Development of a handling equipment fleet management tool in Javascript
- Follow-up of the deployment of an indoor cobot for the transport of aeronautical parts

PROJECTS

- Classification of satellite images with a CNN ↗
- Design of an autopilot for a Mirage III with Matlab (altitude and slope control, pitch damper) ↗
- Minimalist web browser under Qt in C++ ↗

HOBBIES