

# Laurine LAFONTAINE

## AI ENGINEER SPECIALIZED IN MACHINE LEARNING

✉ laurine.lafontaine@outlook.fr

☎ +33 (0)6 23 38 26 57

📄 <https://laflaurine.github.io/portfolio>

🐙 <https://github.com/LafLaurine>

*With professional experience in machine learning I wish to use this knowledge in the industry.*

### SKILLS

#### Software programming

*I have developed computer vision applications in C++ and Python. At Harfanglab, I automate the training of machine learning models with Kubernetes and Argo.*

#### AI programming

*I built various deep and machine learning applications for the AFP, the IRCGN, ICube and Harfanglab. I am familiar with framework and tools such as Python, Tensorflow, OpenCV and PyTorch.*

#### Game programming

*With OpenGL and C++, I made multiple games for classes. I created an exploration platformer in Unity within a team of five. With Unreal Engine, I made a AI simulation of a medieval village.*

### MY LITTLE "EXTRA"

#### Technical writing

*I am part of an organisation where we write tutorials on computer graphics and machine learning. I have also written non-published research papers for my Master's Degree.*

### LANGUAGES

**French** - Native

**English** - Full professional proficiency

**German** - Intermediate

### WORK EXPERIENCE

#### AI Engineer

Harfanglab | November 2021 - Now

*Development and maintenance of machine and deep learning models to neutralize cyber attacks. R&D by reading articles and technological watch to improve the tools.*

#### Research internship in deep learning

ICUBE - Dr. Aurélie Leborgne | March 2021 - Sept. 2021

*Python developer, research on spatio-temporal graphs and frequent pattern extraction via deep learning techniques, based on the article Neural Subgraph Matching.*

#### Deep learning programmer internship

IRCGN - Vincent Nozick | June 2020 - Sept. 2020

*Use of the python language in deep learning and deepfake. Development of a deepfake creation application for the Institut de Recherche Criminelle de la Gendarmerie Nationale.*

### EDUCATION

#### Engineer school (IMAC) + Master's Degree in computer science

2018 - 2021

ESIGE - Université Gustave Eiffel

#### University Degree in Multimedia

2016 - 2018

*IUT Bobigny (Third semester spent abroad at UQAC with Bachelor of Science)*