



# Hugo CARTIGNY



Born on Nov. 25 1999



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France



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Driving License



French nationality



AI expert



Innovative, dynamic,  
confident, good team spirit



Currently working on a comparative  
study of convolutions and  
transformers in computer vision

## REFERENCES

### Christophe Picard

Associate Professor in Applied Mathematics  
→ [christophe.picard@grenoble-inp.fr](mailto:christophe.picard@grenoble-inp.fr)

### Luc Damas

Associate professor (IT Department  
at University of Savoy)  
→ [luc.damas@univ-smb.fr](mailto:luc.damas@univ-smb.fr)

Updated on 16/11/2023

## WORK EXPERIENCES

2020 - 2023

### Apprentice engineer – Hewlett Packard Enterprise

R&D in the HPC & AI team (High Performance Computing and Artificial Intelligence); parallelization, performance tuning and code optimization of deep learning (computer vision, NLP/transformers) model trainings on a [supercomputer](#).

Summer 2020

### R&D Intern – Steadysun

Implementation of a weather forecasting system for temperature and irradiance based on artificial intelligence methods.

Summer 2019

### Optimization of an EDMS (Electronic Document Management System) – Benedetti-Guelpa

QHSE Assistant (Quality Health Safety Environment). Optimizing the EDMS and preparing it for data migration to a new system.

Summer 2018

### Worker Internship: Maintenance and IT Assistant – Supermetal Sallanches

Controlling quality of the production and developing IT tools for treatment automation.

Summer 2017

### Receptionist – Mission Locale Jeunes Sallanches

Receiving the customers, maintaining and updating a schedule for 4 employees.

## EDUCATION AND QUALIFICATIONS

2020 - 2023

### Ensimag – Grenoble INP (Third year) – Current formation

Engineering school in Computer Science and Applied Mathematics  
+ Master of Science in Applied Mathematics **double degree (data science)**

**Work-study at HPE (Hewlett Packard Enterprise), HPC & AI R&D team**

2018 - 2020

### DUT Informatique (2-year university diploma in computer science) – University of Savoy/IUT d'Annecy

2017 - 2018

### Polytech Annecy-Chambéry – First year

2014 - 2017

### French Baccalaureate SSI

## INTERESTS AND HOBBIES

### Volunteering – President of Ens'IA (2 years)

Student association aiming to promote Artificial Intelligence on campus: organizing training sessions, hands-on projects, conferences and challenges in collaboration with companies.

### Hobbies

Programming, Artificial Intelligence,  
Photography, Music composition

### Sport

Table Tennis (3 years in club),  
Climbing, Running

## LANGUAGES AND TECHNICAL SKILLS

I have many technical skills related to deep learning.

I learn artificial intelligence in my spare time, at school and at work.



French (native)



English (C1, fluent)



Python



TensorFlow



PyTorch



Linux/Server administration



Rust, Java, C(++), SQL...



Networking



Web (full stack)

100  
010

HPC