



Benoit LAGADEC  
Computer Vision and Machine Learning Engineer  
20 years of experience

«Since 2005, I have been able to develop my knowledge of image analysis and machine learning. I am Nvidia certified.»

43 ans Pacsé 1 enfant

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[github.com/BenLag2906/](https://github.com/BenLag2906/)

## School

- Master Signal and Numerical Communication 2004-2005
- French Classe préparatory MP\* Lycée Kerichen Brest – 1998-2001
- Bac S ( Mathematic Option) with mention 1997-1998

## Language

- Français fluent
- Anglais working knowledge

## Hobbies

- Drone pilot
- Movie / Serie
- DIY

## Skills

Machine Learning



CUDA



C++



C#



Python



IHM



## PROFESIONNAL EXPERIENCE

### Fairvision

December. 2024 –Today

#### Data Scientist

Prunned model

Optimisation with CUDA graph

Wrapper Vulkan to improve image quality with FSR, SSL

### ESI — European System Integration

Nov. 2014 – December 2024 · 10 years

#### R&D engineer / Product definition AV1

Development of real time and deeplearning application in C++, with PyTorch, TensorFlow and tensorRT.

Unsupervised and supervised training. Co-supervisor of Phd Student : Hao Chen with french lab INRIA on topic of person re identification.

Development of human person tracker on image analysis

Optimization of exchange between CPU and GPU.

Management team of 4 persons.

### Consulting C for Amadeus

February 2013 -> September 2014 - 18 months

#### Development in Team PR1 ( farequote).

For apply international law of air pricing : IATA Check.

Assistance on different applications.

### Consulting in C for Orange

March 2011 -> February 2013 - 24 months

#### Development in team GSTAT

Audience measure by processing bigdata : Multithreader in c++

Obtention of OJD label.

Processing of conversion path.

Processing KPI for Orange management (Key Performance Indicator)

### Consulting for Galderma

March 2010 -> February 2011 - 12 months

Industrialization of QSKIN product in team CUTIS

Automatic diagnostic by learning of dermatologist analysis.

Add campaign Testing.

### Research Engineer for IFREMER

November 2006 -> November 2009 - 36 months

Image analyst in PRAO team.

Objects Segmentation and tracking in in submarin endvironment.

Integration on A.U.V ( Autonomous underwater Vehicle )

### Teacher Assistant at Université côte d'Azur

September 2005 -> November 2006 -18 months

Assistant teacher in License LPSIL

Statistics classroom.

Algorithm classroom.

Coding WEB (SMIL. SVG).

## Publication

CVPR, ICCV, WACV :

Joint Generative and Contrastive Learning for Unsupervised Person Re-identification: H Chen, Y Wang, B Lagadec - CVPR 2021

ICE: Inter-instance Contrastive Encoding for Unsupervised Person Re-identification : H Chen, B Lagadec, F Bremond - ICCV 2021