



## INTEREST

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I am looking for a full-time position related to computer vision, medical imaging, image synthesis or compute time optimization.

# HUGO VERJUS

Software Engineer in computer vision

## CONTACT

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Phone: +33 661 251 908

E-mail: hugo@verjus.me

Website: www.hugoverjus.fr

Github: github.com/bjorn-grape

## SKILLS

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C++

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Python

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Rust

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CUDA

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Numpy

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Pandas

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## WORK EXPERIENCES

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9/2018 - 12/2018 — 12/2018 - 2/2019 — 2/2019 - 12/2019 — 3/2020 - 8/2020

Deepstream SDK Software Engineer Intern  
NVIDIA / Santa Clara CA, USA

Real time AI powered video analytics on GPU ( x86 and embedded ).  
Languages used were C++ and Python.

Teaching assistant  
EPITA / Paris, France

Courses taught about C, C++, Java and Unix.

Holovibes Software Engineer Intern  
CNRS / Paris, France

Holography software with heavy gpu computation.  
Languages used were C++ and CUDA.

## EDUCATION

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2015 - 2020      Master of Science  
EPITA              Computer science with specialization in  
Paris, France      image processing.

## PROJECTS

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**Bidirectionnal pathtracer**  
Photo realistic image rendering in C++ involving 3D geometry, data structure optimization and multithreading.



**Car accident 3D reconstruction from video**  
Using a video taken around a car, the goal was to extract the car texture, and to apply it on a cuboid.



**Detection of bee's veins intersections**  
From 5 annotated images, bee's veins intersections had to be automatically detected. This was done using mathematical morphology.