



# Thibaut Vercueil

## Machine Learning Engineer

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 French living in Dublin - 31 years old

### Professional Experience

- Today  
Mar 2022 **Embedded Machine Learning Engineer & Team Leader** at **Prophesee**, Paris  
EdgeAI team lead. Optimization of Machine Learning algorithms for mobile devices.  
Projects: Frame-Events fusion for image deblurring, motion-map from event-based data, video-frame interpolation, human presence detection  
`PyTorch` `TensorFlow` `Android NDK` `Halide` `QNN`
- Feb 2022 **Computer Vision Application Engineer** at **STMicroelectronics**, Paris  
Jul 2019 Computer Vision applications for STM32 microcontrollers.  
Projects: Face Identification, Automatic Water Meter Reading, People Counting  
`Python` `TensorFlow` `PyTorch` `OpenCV` `C` `C++` `STM32` `stm32ai`
- Jul 2019 **Research Engineer** at **CEA LIST**, Saclay  
Nov 2016 SLAM algorithm for smart glasses with stereo cameras (collaboration with National Geographic Institute).  
Traffic sign detection and pedestrian detection algorithms running on heterogeneous hardware. (collaboration with Renault Group)  
`C++` `OpenCV` `ROS` `Yocto` `N2D2`
- Sep 2016 **Research Intern** at **CEA LIST**, Saclay  
Apr 2016 Study of ultra low-resolution camera sensors for robotic applications: creation of a visual odometer for a robotic platform and a low-resolution depth estimation algorithm.  
`Arduino` `Raspberry Pi` `ROS` `C`
- Mar 2016 **Full Stack Developer** at **Netdevices**, Paris  
Feb 2016 Development of a collaborative parking space sharing system.  
`Javascript` `NodeJS` `React Native` `docker` `git`
- Sep 2015 **Intern** at **Harvard University**, Cambridge MA, USA  
May 2015 Development of a content management system for a research group.  
`PHP` `HTML/CSS` `Javascript` `SQL`
- May 2015 **Developer** at **ECE**, Paris  
Sep 2014 Development of an academic project of a geolocation system to help victims of cardiac arrest, in partnership with the French Red Cross. 1st prize at the ECE Innov' Awards 2015.  
`Java` `Android` `NodeJS` `SQL`

### Education

- 2016 · **Engineering Degree in Embedded Systems** École Centrale d'Électronique, Paris
- 2011–2013 · **Preparatory Classes** Lycée Vaugelas, Chambéry
- 2011 · **Baccalauréat spec. Mathematics** Lycée du Granier, Chambéry

### Technical Skills

- Programming: C, C++, Python, Rust, Java, MATLAB
- Libraries & Frameworks: ROS, OpenCV, TensorFlow, PyTorch
- Miscellaneous: Linux, Bash, Git, LaTeX, Typst

### Languages

- French (Native)
- English (Fluent, IELTS 7)
- Spanish (Basic)