



# Jason Henault

Scientific research engineer

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## EXPERIENCES

- 2016 Under the direction of N. Cuperlier and M. Belkaid in the Neurocybernetics team, ETIS  
***Internship on spatial and behavioral contexts in bio-inspired robotics***
- 2015 Under the direction of T. Chateau in the ComSee team, Institut Pascal  
***Internship on detection and segmentation by CNN***
- 2014 Under the direction of J. Brunet in the Minamat team, Institut Pascal  
***Internship on aromatic hydrocarbons detectors by ttb-MPc based QCM sensor***

## EDUCATION

- 2018 **Machine Learning certification** delivered by Stanford University
- 2017 **Neuronal Dynamics certification** delivered by EPFLx
- 2014 - 2016 **Master of Research in Robotics** delivered by University of Clermont Auvergne
- 2012 - 2014 **Bachelor in Mecatronics** delivered by University of Clermont Auvergne
- 2011 - 2012 **First-Year of Medical School** at the medical school of Nantes
- 2009 - 2011 **Preparatory classes for the Grandes Écoles (CPGE TSI)** at the Aristide Briand high school

## SPECIFICS SKILLS

- **Hodgkin-Huxley** models
- Neurons **stochastic** model
- **Noisy** neurons and coding
- **Supervised** and **unsupervised** machine learning
- **Instrumentation** technics
- Languages:
  - > **English**: good level (near B1-B2)
  - > **French**: natal language
- Good level in **Matlab** and **Python** (Matplotlib included)
- Advanced knowledge in **C/C++**
- Implementation of **numerical methods**
- Good level in **LabView**

## REFERENTS

**Marwen BELKAID**, PhD in Computer Science, Lecturer/research associate

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