

# Axel Faure

Computer Scientist

axel-faure.com  
axelfaure

## Experience

### Vocational

- September 2016 – Present **Software engineer**, *MOMA (Modélisation, mesures et Applications)*, Paris (France).  
Architecture, development and operation of IoT, big data & smart grids applications and platforms
- February 2016 – July 2016 **Internship - embedded systems engineer**, *MOMA (Modélisation, mesures et Applications)*, Paris (France).  
Integration of a Linux system on ARM and development of kernel modules/drivers
- September 2014 – February 2015 **Internship - software engineer**, *Geneanet*, Paris (France).  
Creation of search engines and targeted advertising systems using Elasticsearch
- April 2013 – June 2013 **Industrial placement as junior programmer**, *Michelin*, Clermont-Ferrand (France).  
Creation of a reporting plug-in for a master application in an industrial context using .Net technologies.

### Miscellaneous

- September 2012 – December 2012 **Tutor for IT usage**, *Université d'Auvergne*, Clermont-Ferrand (France).  
Tutoring in programming for IT students and introduction to IT for non IT students.

## Education

- 2013–2016 **Computer engineer**, *Université de Technologie de Compiègne (UTC)*, Compiègne (France).  
GPA : 3.83
- Fall 2015 **Exchange semester**, *University of Rhode Island*, Kingston (USA).
- 2011–2013 **DUT informatique SI**, *IUT Université d'Auvergne*, Clermont-Ferrand (France).  
equivalent to a two years Bsc in Computer Science with Embedded Systems option
- 2010–2011 **Prépa MPSI**, *Lycée Blaise Pascal*, Clermont-Ferrand (France).  
equivalent to year one PrepSchool for Engineering Schools
- 2007–2010 **Baccalauréat Scientifique**, *Lycée Gay-Lussac*, Limoges (France), *with honours*.  
High School Diploma in Science

## Achievements (more on my website)

- September 2013 – September 2014 **Member of the SIMDE**.  
An association in charge of the management of servers and website hosting for every other association in the UTC.
  - Configuration of a monitoring server using Nagios;
  - Everyday management of Linux servers.
- 2013 **Final IUT project**.  
Contribution to the creation of a quadcopter (embedded software, communication, stabilization...)

## Languages

- French Native speaker
- English Upper intermediate level (TOEIC : 955/990 – TOEFL :102/120)
- Spanish intermediate level

## Computer skills (more on my website)

- Methodology UML, Merise, patterns
- OS UNIX systems management, Linux, BSD, Windows
- Programming Python, C, C++, C#, Java, PHP, Assembly, LISP, Prolog, Javascript, Bash
- Other technologies AWS, Ansible, Jenkins, HTML/CSS, LaTeX, SQL, git, Linux kernel development

## Activities and Interests

- Cinema both American and French
- Reading science, science history, fictions...