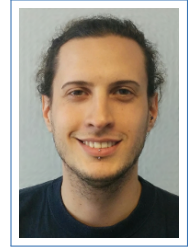


# Julien Vaubourg

System Network Engineer

21, av. Paul Déroulède  
54520 Laxou (France)  
+336 71 555 141  
julien@vaubourg.com  
ju.vg  
jvaubourg



## Education

2016–2017

**Université de Lorraine, Postdoc.**

Temporary teaching and research assistant – Faculty of Sciences and Technologies

2013–2017

**Inria Grand Est, PhD in Computer Science.**

PhD with Inria in collaboration with EDF R&D – Université de Lorraine

2010–2013

**Master of Science in Engineering, TELECOM Nancy.**

Telecoms, Networks and Services – Université de Lorraine

2010–2015

**Lorraine Data Network, President.**

French Non-Profit Internet Service Provider

2007–2010

**BSc in System Network Administration, With high honors.**

French DUT Informatique + LP ASRALL – Université de Reims / Lorraine

Languages French (native), English (business)

## Professional Experience

PhD **Inria / EDF R&D** – "Integration of IP network models to DEVS multi-models, for cyber-physical system co-simulations". **International publications.**

Research **net. dev. Inria / EDF R&D** – Implementation of C++ libraries for the IP network simulators NS-3 and OMNeT++/INET. Conception and development of industrial use cases with EDF R&D, the main French electric utility company.

Teaching **net. sys. dev. TELECOM Nancy / Université de Lorraine** – 260 hours from L1 to M2 (systems and networks, C and Python programming, algorithms, DB, security, etc.)

Popular Science **dev. Inria / MJC Centre Social Nomade** – In charge of a creative computing workshop with kids from 8 to 13 years, for 1 year (Scratch).

4-months Internship **net. dev. Inria** – Implementation of a modular NetFlows exporter for Android (presentation in front of an IETF working group).

Industrial Project **net. sys. dev. B.H. Consulting** – Automatic deployment of a centralized authentication and management of the router & switch configurations backups (SNACK).

3-months Internship **net. Renater** – Writing of a 150-pages documentation about IPv6 (Lothaire Yarding). Cited by the French G6 organization for a MOOC about IPv6.

3-months Internship **net. sys. INPL** – Deployment of a monitoring system for a network with thousands of equipments (Centreon).

3-months Internship **net. dev. CS One** – Automatic generation of detailed network audit reports.

Contract **dev. CNRS** – Implementation of a Windows/Matlab driver with C++, for a Graphtec universal USB measuring probe.

## Personal Experience

Non-Profit **net. sys. Founding President of a Non-Profit ISP** in France (community management, technical contributions, negotiation with providers, communication). **IPv6 Advocate.**

Hosting **sys. Daily administration of personal and community GNU/Linux servers:** emails, web, DNS, VPN, Git, Zimbra, Puppet, LDAP, KVM/Ganeti, LXC/Docker, etc.

Community **dev. Co-founder and active developer for the Internet Cube Project** <internetcu.be>.

Open Source **dev. Free software projects** available on <ju.vg> and through GitHub/@jvaubourg.