

# Benjamin ROUXEL

## WORK EXPERIENCES

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JULY 2011 – AUGUST 2013

Sogeti, Rennes

### *Web Development and system administration*

B2B web application development with common web tools using frameworks Symfony and JQuery. System administrator on Debian server who handle more than 100 requests/sec

DECEMBER 2010 – JUNE 2011

Cordon Electronics, Dinan

### *Web Development*

ERP-like web tool to follow electronic products on reparation lines located in 7 countries and used by around 1500 employees each day.

OCTOBER 2008 – DECEMBER 2010

Nameshield, Angers

### *Perl Development*

Perl expert by designing a full application to manage domain names with all the international domain name registries. Perl application conception and development to collect data on many servers to profile clients. Web applications maintenance with common.

## INTERNSHIPS

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2015 (5 MONTHS)

INRIA - Loria, Nancy

### *Trainee Researcher*

Combining static and dynamic analysis disassembling technique in order to build a X86 disassembler able to retrieve most of the indirect call found in malware self-modification/obfuscated code code. The project is part of the ANR project BINSEC.

2014 (4 MONTHS)

INRIA - Irista, Rennes

### *Trainee Researcher*





Informations Traceability in Control Flow to Compute WCET with Compiler Optimizations. Modifying LLVM compiler suite in order to propagate a priori known informations about infeasible paths through compiler optimizations in order to precise a fortiori computed WCET.

2008 (3 MONTHS) AND 2007 (4 MONTHS)

Military base of long island, Brest

University of Godollo, Hungarie

### *Trainee Developer*

 10 cit d'Aleth  
35000 – Rennes (FR)  
 +33 659810604  
 benjamin.rouxel@ens-rennes.fr  
 <http://perso.eleves.ens-rennes.fr/brouxel/>

## EDUCATION

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2013 – 2015 **Master Degree in Computer Science – Research and Innovation**

HIGH SCHOOL DIPLOMA

University of Rennes 1, Rennes

2012 – 2013 **Licence Degree in Computer Science**

HIGH SCHOOL DIPLOMA

University of Rennes 1, Rennes

2007 – 2008 **Licence Degree in Computer Science oriented enterprise**

HIGH SCHOOL DIPLOMA

University of Maine, Laval

2005 – 2007 **Higher National Diploma in Computer Science**

HIGH SCHOOL DIPLOMA

University Paul Sabatier,  
Toulouse

2005 **Higher Leaving Certificate in Electronics Sciences**

Les Rimains, Cancale

## COMMUNICATION SKILLS

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FRENCH Native speaker

ENGLISH Oral: fair – Written: good

## SOFTWARE SKILLS

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GOOD LEVEL C, C++, Perl, OCaml, PHP, JavaScript, HTML, CSS, SQL, PL/SQL, shell, gcc, llvm, Linux, XML tech.

INTERMEDIATE  $\LaTeX$ , Java, GTK+/GObject, Boost, Apache, Tomcat

BASIC LEVEL Windows, git, subversion, Fortran