

About

29 years old, Single
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THE NETHERLANDS
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Language

French ★★★★★
English ★★★★★
German ★★★★★
Dutch ★★★★★
Spanish ★★★★★
Japanese ★★★★★

OS Preference

Debian ★★★★★
Windows ★★★★★
MacOs ★★★★★

Activities

Ballroom Dancing
Piano
Rock climbing
Martial Arts
Sailing

Benoît Viguier

SOFTWARE ENGINEER · PHD STUDENT

Education

Software Engineer

INSA (NATIONAL INSTITUTE OF APPLIED SCIENCES)

[Rennes, France](#)

Sept. 2014 - 2016

MRes. in Computer Science

UNIVERSITY RENNES 1

[Rennes, France](#)

Sept. 2015 - 2016

MSc. in Mathematics

UNIVERSITY RENNES 1

[Rennes, France](#)

Sept. 2006 - 2011

Skills

Programming

C/C++, JAVA, Coq, Python, B, PHP, OCaml, \LaTeX

Dev. Env.

IntelliJ IDEA, Clion, Git, Visual Studio & R#, Xcode

Experience

PhD Student

RADBOD UNIVERSITY

- High Assurance cryptographic Software.

[Nijmegen, The Netherlands](#)

Sept. 2016 - Present

Coq, ASM, Cryptanalysis

Internship : Software Engineer & Researcher

STMICROELECTRONICS

- Formal Methods in differential and linear trail search.

[Brussels, Belgium](#)

Feb. - Jun. 2016

Coq, C++, Differential Cryptanalysis, Hash functions

Internship: Software Engineer

MISSION CRITICAL IT

- Research around SNOMED CT, ICD10PCS and NLP parsing.

[Brussels, Belgium](#)

Jun. - Sept. 2015

Lucene, OpenNLP, Stanford Parser, SWRL, Ontologies, JAVA

4th year project

- Research around SNOMED CT, ICD10PCS and NLP parsing.

2014 - 2015

Agile Methods, Monte Carlo Tree Search, C++, OpenMP, MPI, Teamwork

Software developer

BEOTIC

- Development of a prototype of a project management app for iPad

[Nantes, France](#)

Feb. 2014

Objective-C, Xcode

Independent Addon developer for online games

- Development of an HUD for an online game

2011 - 2013

LUA, Git, User Relationship

Independent Web developer

Cryptography, SQL injection, PHP, MySQL, HTML, CSS, JS

2008 - 2011

Mathematics Specialty Project

- Simulation of a predator-prey model and Lotka-Volterra equations

2007 - 2008

OCaml, Mathematica

Mathematics Teacher

- Junior Highschool and Highschool

2011 - 2014

Teamwork, teaching skills, precision

Volunteer

INTERNATIONAL WORK CAMPS WITH CIEE JAPAN

- Restoring a school and teaching English
- Filling a generation gap between elderly people and elementary school students

[Hagi, Japan](#)

Jul. - Aug. 2012

Publications

Gimli: A Cross-Platform Permutation

Taipei, CHES 2017

Sept. 2017

- Gimli, a 384-bit permutation designed to achieve high security with high performance across a broad range of platforms.