

# Jonathan Protzenko

La Lozangère

85170 Saligny

☎ +33 6 75 31 79 94

✉ [jonathan.protzenko@free.fr](mailto:jonathan.protzenko@free.fr)

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## WORK EXPERIENCE

### March 2010 – current

Under the supervision of François Pottier ([francois.pottier@inria.fr](mailto:francois.pottier@inria.fr))

Doing a research internship in the Gallium team at INRIA Rocquencourt. Working on a constraint-based type checker for OCaml and the translation from advanced OCaml features to a smaller, strongly-typed core language based on more powerful types.

### June 2009 – August 2009

Under the supervision of Alain Frisch ([alain.frisch@lexifi.com](mailto:alain.frisch@lexifi.com))

Did a 3-month internship at LexiFi (<http://www.lexifi.com>), a finance software editor. Redesigned LexiFi's GUI technology using a custom version of OCaml, worked on modifications to the core of OCaml as well as a more powerful type-checker.

### June 2008 – July 2008

Under the supervision of Michel Morvan ([michel.morvan@ens-lyon.fr](mailto:michel.morvan@ens-lyon.fr))

Did a 6-week internship at IXXI (<http://www.ixxi.fr>). Ran a comparison of community detection algorithms applied to web sites communities and designed a new algorithm.

### January 2006

With Benoît Picaud, Senior Consultant for IdealX ([bpicaud@idealx.com](mailto:bpicaud@idealx.com))

Gave a talk at "Solutions Linux 2006", a famous French meeting covering latest technologies for software programming. The talk was an in-depth coverage of the XUL programming language.

### November 2004 – August 2005

Éditions Eyrolles, under the direction of Muriel Shan Sei Fan ([mshanseifan@eyrolles.com](mailto:mshanseifan@eyrolles.com))

Wrote "Les Cahiers du Programmeur XUL", a 350-page French book about the XUL programming language which was later translated to German.

### October 2004

Gave a conference at the "Forum PHP 2004", a French meeting about the PHP programming language. The talk was an overview of different technologies enabling programmers to build graphical user interfaces with PHP.

### September 2003 – August 2004

Nexen Services, under the direction of Damien Seguy ([d.seguy@nexen.net](mailto:d.seguy@nexen.net))

Wrote 6 press articles for the French online magazine "Direction PHP" (now discontinued) about web programming.

## EDUCATIONAL BACKGROUND

### September 2007 onwards

At **ÉNS Lyon** (<http://www.ens-lyon.fr/>) – a selective science university which trains future researchers and teachers.

AY 2009-2010 : Attended the M2IF (Master 2), equivalent to the final year of a Master's degree in Computer Science. Second semester is currently spent doing a research internship in team Gallium at INRIA.

AY 2008-2009 : Attended the M1IF (Master 1), equivalent to a Master's degree in Computer Science. First semester was spent in Lyon, France. Second semester was spent at the National University of Singapore as an exchange student.

AY 2007-2008 : Attended the L3IF – third year of higher education, equivalent to a Bachelor's degree in Computer Science. Ranked 1<sup>st</sup>.

### September 2005 – August 2007

At **Lycée Michel-Montaigne**, Bordeaux

Two years of top-level, maths and physics oriented, undergraduate courses in order to prepare for the highly selective entrance exams to higher studies.

## **LANGUAGES**

Fluent in English, both written and spoken (European ECFR C2)

Proficient in Spanish (B2)

Proficient in Chinese (B2)

Beginner in Russian.

## **HOBBIES AND OTHER INFORMATION**

Particularly fond of languages, I attend many dedicated courses (specifically English and Chinese) at the neighbouring ENS-LSH (<http://www.ens-lsh.fr>).

Play the piano and saxophone, practised piano for many years.

Regular rock-climbing and tennis practice.

Numerous travel experiences, mostly in Asia.

I write some open-source software, more information is available on my personal website (<http://www.xulforum.org>)