

Nicolas Favre-Félix

R&D Software engineer

Age: 22 years old
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Formation

2002–2007	Computer Engineering student at IFIPS (University of Paris XI).
2002	Baccalauréat scientifique equivalent to A levels in Maths, Physic, Biology obtained with distinction
	Very good spoken & written English. Studied Mandarin for 3 years.

Technical skills

OBJECT-ORIENTED	C++, C#, Python, Java. Design Patterns, UML design.
LOW-LEVEL	C, x86 assembly. Development on GNU/Linux systems, analysis and development of network protocols.
WEB TECHNOLOGIES	PHP 4&5, SQL DBMS, XML, XSLT, CSS, AJAX.
RECENT INTERESTS	Functional programming (Common Lisp, Erlang, Haskell, λ -calculus). Compilation techniques (Lex/Yacc, parsers and compilers).

Professional experience

SINCE SEP 2007	Research & Development engineer at Owlent, measuring and analysing the performance of web applications and servers.
JAN 2007–JUN 2007	Last school internship at Schlumberger near Oxford. Designed a scripting language and developped a compiler for it, targetting Python. Also worked on a fairly large C++ project (Several hundred thousand lines).
JUL 2006–JAN 2007	Worked part-time for Owlent, in a Research & Development project to study “Web 2.0” technologies and techniques (Tagging, recommandations...).
SEP 2005–JAN 2006	Fourth year internship at Schlumberger near Oxford. Developped a parsing and analysis tool to read Python scripts. Used Microsoft .NET, .NET interoperability, ported the project to Mono.
DEC 2004–MAR 2005	Third year internship at Nucleonet in Paris. Developped a C++ GUI for remote administration of VPN appliances. Used MFC & the Win32 API.
WINTER 2003, 2004	Internship and summer job at CIS-Consultants. Programmed a time sheet recording system and a payroll application, both in PHP.

Personal projects

2007	Contributions to the “trapexit” Erlang forum, under Free licences
2006	Development of a small portable compiler targetting the .NET platform
2005	Prototype of a simple operating system for the Intel x86 architecture.
2004	Creation of a template-based network audit tool in C++, for GNU/Linux systems.

Interests & activities

💡 Political philosophy and Foreign Affairs

🐼 Free Software Movement

🔍 Solving problems

🚴 Cycling!