

SÉBASTIEN PIERRE

Software & UI designer

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ABOUT ME

I am a rare blend of **software engineering** and **graphics design**, with a twist for programming languages. With so many information available today, we need support for understanding and using this information appropriately.

As images can mean more than a 1,000 words, **interfaces can change the way people think and look at things**. I create these interfaces that help turn data into information.

SPECIALTIES

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| <ul style="list-style-type: none"> • Infographics • Data Visualization • User Interface • Data Mining • Data Warehouse • Python Development • Drupal CMS • Open Source | <ul style="list-style-type: none"> • JavaScript/jQuery • ActionScript/Flex/AIR • Python, Ruby, Io, Lua • Lisp, Scheme, Prolog • C, Objective-C, C++ • Php, Java, C#/Mono/.NET • MySQL, Sybase, SQLite, Oracle • RDF, HDF5, RRDB, MonetDB • Drupal, Zope • HTML, CSS, XML, XSLT |
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EDUCATION

2004 2005	B.A. DESIGN , U.Marc-Bloch, Strasbourg, FR	License Pro. Design
2002 2003	M.Sc. COMP-SCI , U.Franche-Comté, Besançon, FR	Informatique et Productique
2001 2003	ENG. SOFTWARE ENGINEERING , UTBM, Belfort, FR	Génie Logiciel
1998 2000	TECH. BUSINESS SOFTWARE , IUT, Strasbourg, FR	Informatique de Gestion

EXPERIENCES

2006 2008	AKOHA , Montréal	User Interaction Designer
1 year 6 months	As lead interaction designer I created interface and interaction concepts that I implemented as paper and HTML prototypes. As a software engineer, I created tools and technologies to help the development of Web interfaces, shortening the concept-to-implementation cycle and reducing the possibilities of errors. [Python, JavaScript, ActionScript, HTML, CSS, SQL, MySQL]	
2006 2006	XPRIMA , Laval	Software Developer
10 months	As a software developer I created and maintained several web-related projects, including internal collaborative and development tools. The user-centric perspective on these projects	

helped their adoption and made them quickly indispensable to the team. [Python, C, C++, JavaScript, HTML, CSS, SQL, Sybase]

2004 | 2006

Ivy, Strasbourg, FR

Owner, Software Engineer

2 years 1 month

As a **software engineer** I worked mainly for Wengo (OpenWengo) a VoIP startup in Paris. I did R&D on the application of dynamic languages, multi-agents system to VoIP and the SIP protocol in particular. I developed a multi-agent based SIP application server. [C, Objective-C, Io, Python]

As a **user interface designer**, I created the Revealicious project (<http://www.ivy.fr/revealicious>) to demonstrate the importance of data visualization in the discovering of valuable new data in existing datasets. Revealicious was welcomed by the web community and got featured in many respected blogs and websites. [ActionScript, JavaScript, HTML, CSS]

2003 | 2004

ADIVAL/ALCATEL, Strasbourg, FR

Software Engineer

12 months

As a junior **software engineer** I started working at Alcatel on a flexible B2B XML platform where I was responsible for the data analysis and back-end API. I then worked on a R&D project for Alcatel test department, and created a system that analyzes source code and instrumented test results to predict and suggest which tests should be done after an update to the source code. The tool was also able to visualize the architecture of a C program. [Python, C, C++, GraphViz]

2003 | 2003

ALCATEL, Strasbourg, FR

Intern

6 months

As an **intern** at Alcatel R&D department I researched, designed and prototyped a next-generation application platform for the SIP protocol that would be eventually presented as part of my master's thesis. The platform made use of dynamic languages and multi-agent systems to enable quick prototyping and deployment of services. [Python, Io, C, C++]

2001 | 2001

SWISS INSTITUTE OF BIOINFORMATICS, Genève, CH

Intern

6 months

As an **intern** at the SIB I was responsible for the research of development of an XML based editor. After interviewing the users and seeing how they work, I prototyped an integrated, user-friendly WYSIWYG structured editor to replace the complex text-based editor used to edit protein entries. [Java, Swing, XML, Python]

2000 | 2000

RATIONAL SOFTWARE, Vancouver

Intern

6 months

As an **intern** I was given the mission to prospect for the migration of an HTML-based semi-structured dataset (the pages for the *Rational Unified Process*) to a more structured XML format. I analyzed the underlying, sometimes implicit structure of the documents and formalized it in a DTD. I prototyped a system to automatically recognize the structure in the unstructured documents and translate them to XML. [SGML, XML, Python]

MISC

I was raised in France, and love the life in Montréal. I speak fluent English, French (*of course*), can converse in German and have notions of Korean. I am a promoter of open-source software, having written and participated to a couple of open-source software myself.