Gautier Colajanni

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French student in Montréal, looking for an internship
French – English

Education

Master's degree in software engineering	**Since August 2015**
École de Technologie Supérieure, Montréal, Canada	

Master's degree in computer sciences	**Since September 2013**
Institut National des Sciences Appliquées de Rennes, France	*dual degree*

University's degree of technology	**2013**
IT specialization	
Institut Universitaire de Technologie, France	

Specific knowledge

Programming languages:	PHP, Ruby, Java, C#, JavaScript, Shell, Python, C/C++, OCaml, Prolog (CSP)
Parallel programming :	Distributed programming with MPI, OpenMP, Threading Building Blocks
Databases:	SQL (MySQL, MSSQL, PostgreSQL) et NoSQL avec MongoDB
Web front-end:	AngularJS, React/Flux, CSS3, HTML5, foundation, bootstrap, SASS, gulp...
Web back-end:	Ruby on Rails, Jelix, CodeIgniter, Zend components and Symfony, node, websockets, socket.io, express, RESTful API
Project management:	SCRUM, ITIL, TDD, redmine, JIRA, MS Project, UML, Merise, Mercurial, git
Environments:	GNU/Linux, Windows, Eclipse, Visual Studio, JetBrains, Vagrant, VirtualBox

Professional experience

Google Summer of Code	**Summer 2016**
Radare Web Interface	*internship*

- Realize a modern and ergonomic web user interface for radare2, a reverse engineering software

Developer Python/Odoo	**Spring 2016**
BonLook, Montréal, Canada	*part-time job*

- Development of plugin for Odoo (ERP) to build better links to the business domain
- Connect various payment API with the ERP
- Create tools with PyGTK to improve business processes

Analyst Developer	**Summer 2014**
Azimut communication, Lorient, France	*internship*

- Develop an automated sanitation module for address books to send newsletters
- Make various proofs of concept around the real-time collaboration in a browser

Realizations:

- Reduce the load of mail servers for more efficient mailings
- Assistance during assembly of the local festival for the installation and networking of interactive communication terminals

Professional experience (more)

Software developer   **Spring 2013**
University of Portsmouth, United Kingdom   *internship*
- Implement an algorithm presented in a thesis about the effective study of interactions between molecules and human proteins
- Prepare the dataset for efficient, parallelized processing
- Perform analysis on the performance obtained according to the parallelization and compilation
- Verify and debug memory leaks

Realizations:
- Immersion and adaptability to British culture
- Appropriation of biomedical sciences
- Verbal and written communication in English

Used technologies: Shell-scripting, Python, C/C++, GNU Scientific Library, valgrind, gdb

Study projects

Application for Tablet PC : NINE   **2015**
Realized as my 4th year project at Institut National des Sciences Appliquées de Rennes
Application for Surface tablets made in XAML/C# to attend the school's transition to an "amphitheater 2.0" and the concept of digital notebook.

Jeu par navigateur : Ideologia   **2012-2013**
Realized as my final project at Institut Universitaire de Technologie
Browser board game developed according to an original concept. Designed with Ruby and the first draft of the websocket protocol.

Extracurricular activities

HighFive	**Vélocampus**
Spring 2014	*2012-2013*
Responsible for the collection and distribution of scores during the inter-INSA Olympics.	Responsible for relations between Belfort and Montbéliard campus and creation of a showcase site.
Hacklab	**Student representative**
Winter 2013	*2012*
Weekly participation. Performing a live web application to assist inventory hacklab.	Alternate Representative to the Board of IUT. Representing the university residences.

Hobbies

- Harp, choir and music theory for 3 years at my hometown's conservatory
- Programming (since I'm 12) and IT blogging
- Cultures et travels : Italy, Sicily, Switzerland, Belgium, Germany, Spain, England and Canada