David Guyon

Master's degree student in Computing

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23 years old (1991)
Driving licence

Educations

2014 – 2015	**Second year Master's degree in Computer Science Research**, *ISTIC*, Rennes.
2013 – 2014	**First year Master's degree in Software engineering**, *ISTIC*, Rennes.
2012 – 2013	**BEng in Computer Science**, *Edinburgh Napier University, Scotland*. Received a medal from the university
2010 – 2012	**Institut Universitaire de Technologie**, *Angers/Cholet University*. Electronic engineering and industrial computing, I came 1st out of 76 students
2008 – 2010	**Baccalauréat STI Génie Électrotechnique**, *NDBN High School, Beaupréau*.
2006 – 2008	**BEP in Electrical Engineering**, *Le Pinier Neuf Technical High School, Beaupréau*.

Professional Experiences

May 2014 to Juily 2014	**1st year Master's internship in a Computing laboratory**, *INRIA*, Rennes. In the ALF team with Mr Erven Rohou as my supervisor, I developed an update for *hwlock* nammed *Dynamic lstopo*. It displays caches and CPUs current usage level using performance hardware counters to help understanding the behavior of the processor. The internship finished with the publication of a research paper for the VPA workshop 2014.
Sept. 2013 to May 2014	**CROWD project**, *ISTIC*, Rennes. With a team of 11 students with Mr Gross-Amblard as our supervisor (IRISA, DRUID team), we built a web application for complex crowdsourcing. Following the completion of the project, I participated to the writing of a research paper for the BDA conference 2014.
Sept. 2012 to May 2013	**Study year abroad in Edinburgh**, *Scotland*. On my own initiative, I went to Scotland for a year. It was a culturally rich experience, rich in meeting and an opportunity for me to improve my English.
April 2012 to July 2012	**University placement in R&D**, *Company NGV Électronique*, Cholet. Developer in the R&D department for a new BusCAN module (Hardware and Software). I searched for components, drew the schematic and studied an existing C kernel for a PIC microcontroller. Then I wrote the C code for a kernel update.

Skills

Prog.Languages	C/C++, Java, Scala, OCaml, Coq, Python/Django, HTML5, CSS3, JS, SQL, PHP
Systems	Linux (Debian, Archlinux), Windows (all versions)
Softwares/tools	Eclipse, Vim, Emacs, Sublime Text, LaTeX, Isabelle HOL, Why3, Qt Creator
Languages	French: mothertongue – English: fluent in all categories – CLES level 2 (2014)

Points of Interest

Music	I play the guitar for 14 years. Formerly guitarist/singer in a rock band, now I compose and record my songs alone. I present them on this website `www.songaccoustic.fr`. A friend and I work on this website for 3 years. It is made with modern technologies such as HTML5, CSS3 and JavaScript.
General	On my spare time, a friend and I are building a boat which we named "Pie Boat" because it is using a *Raspberry Pi*. We want to be able to control the boat from an Android application (Scala) thanks to an Access Point on board. Information about all of my projects is available on my personal webpage.