Resume

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Nationality : French

Studies

Since 2009	First year of Master of Science in Computer Science, University of Rennes 1
Since 2008	Magistere in Computer Science and Telecom at École Normale Supérieure de Cachan - Brittany Extension — university-like selective post-secondary school preparing the students for research and teaching
2009	Bachelor of Science in Computer Science, with honors, rank 3rd among 106 students, University of Rennes 1
07/2008	Succeeded the entrance exams to the École Normale Supérieure de Cachan, TELECOM Paris and ENSIMAG, French Grandes Écoles — selective post-secondary institutions, main channel for education in engineering.
09/2005–07/2008	*Classes préparatoires*, intensive two-year university foundation course preparing for the competitive entrance examinations to the french *Grandes Ecoles*, in Lycée Chaptal (Paris).
2005	Scientific *baccalauréat général*, French high school diploma, with honours.

Work experience

May 2009 – June 2009 Internship at IRISA/INRIA, team CAIRN, supervised by Arnaud Tisserand :

Guided by my supervisor, I developed and tested an experimental process to analyze the power consumption of arithmetic algorithms on FPGA cards, based on physical measures of the current in the FPGA. The testbench was written in VHDL and developed with genericity so that it can be reused by the team.

October 2009 Performance in a science festival in the city of Rennes :

I worked together with two of my classmates on presenting to a broad public — including classes of junior high school students — what computing engineers and researchers could work on. Our theme had to be "the bicycle" so we chose to work on graphs. We explained what is a graph and showed a couple of their uses, including the search of a shortest path and it's use in GPS, illustrating it with a software we developed for this purpose.

Objective

My aim for this summer internship is to work in the bioinformatic field in architecture, to improve my knowledge in these two fields.

Knowledge

- **Courses followed** :
    - Computer Architecture and System
    - Formal languages
    - Algorithmics
    - Logic
    - Mathematics (integration, probability, statistics, Markov chains)
    - Compiling
    - Semantics

- Academic projects :
    - Development of a virtual processor and it's assembly language (in Quartus)
    - Development of a shell for Linux
    - Development of a GPS-like software calculating and displaying the shortest distance between two points on a map — the coordinates of the points beeing given in a separate file
    - Various general programming projects (tree displaying, command-line calculator, development of a video game, ...)
- **Known languages**: C, Caml, Java, LATEX, VHDL, Bash, XML, basic knowledge of LISP and C++
- **Software used**: Linux since 2003 — various distributions, including Ubuntu and Slackware —, Emacs, Xilinx ISE.

Languages spoken

- **French**, mother tongue.
- **Anglais**, fluent (TOEIC : 990).
- **Spanish**, academic.
- **Basic knowledge of Japanese**.

Leisure

- Piano
- Dance (lindy hop, west coast swing)
- Languages and grammar