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# ETIENNE BRODU

## Education

- 2007 - 2012** Master of Engineering in Computer Sciences and Information Technology, National Institute of Applied Sciences (INSA) of Lyon, France
- 2004 - 2007** Advanced Scientific High School Diploma passed with honors Lycée Jean Moulin, Angers, France. Specialization: Engineering Sciences

## Work Experiences

- June - August 2010** Third year Internship: In the CITI laboratory (INRIA), working on android's virtual machine dalvik to adapt to an OSGi modification. Used Java and C/C++ with JNI.
- 2009** Second year Project: An accurate gravitational model. Language used : OpenGL.
- 2008** Website for the Insa Ski club. Languages used: Javascript/ HTML/ CSS.
- 2006** High School Project: Clock using the retinal persistence.  
Microcontroller code in C.  
Jury presentation.

## Special Skills

- Programming languages** UML, C, C++, Java, Assembler 68K and x86, Oracle, SQL, PL/SQL, XML, (X)HTML, CSS,  $\text{\LaTeX}$ , Prolog, Starlet, Matlab
- Operating systems** GNU Linux (Gentoo, Debian-like ...), Mac os X, Microsoft Windows, VxWorks
- Networks** Network architecture, Internet architecture, ISO architecture, fixed and mobile telecommunications, networks administration and security, Network functions, data links, IP, local Area Networks
- Design methods** MERISE, UML, SART, USDP, ERP
- Tools & Library** Android, Qt, XCode, Eclipse, NetBeans, Matlab, Rational Software Architect
- Languages** French (native),  
English (fluent),  
German(Beginner)

## Miscellaneous

- Travel** In Scandinavia, Germany, England, Ireland, Baltic States, Italia. Many experiences of live in a commune during those travels
- Associations activities** BdE de l'Insa de Lyon (Student Union), free student-organized festival "*les 24h de l'Insa de Lyon*" ...)
- Activities** Graphic design : Adobe Creative Suite ( Photoshop, Illustrator, InDesign ... ),  
Camp counselor.
- Sport** Climbing, snowboarding, running ...