Route des Landes
03430 Cosne d'Allier
FRANCE

Maxime MÉLOUX

(+33) 7 50 35 22 62 [France]
maxime.meloux@gmail.com
Skype : maxime.meloux

Master of Science in Engineering (School : Ensimag)
Engineer in Mathematical Modelling, Vision, Graphics & Simulation

+ PERSONALITY

Skilled French student expecting to graduate in 2017 with a **Master of Science** in Applied Mathematics and Computer Science from a **prestigious French school** seeking a **summer internship** (8 – 13 weeks) in an IT company, where I can use my extensive skills in development. In-depth **problem-solving and analytic abilities**, **fast learning** and broad range of interests which allow me to have a comprehensive view of a problem, and enable me to work in a fast-paced environment. Highly qualified in positions requiring teamwork, with great **interpersonal communication skills**. Ambitious and innovative person, willing to put my skills to a practical use and embrace new challenges.

+ WORK EXPERIENCE

JANUARY 2016 (4 weeks)	**School project :** In teams of 5, realized a full compiler written in Java for the object-oriented Deca (simplified Java) language, from the source code to the assembly language.
JUNE 2015 (3 weeks)	**School project :** Led a group of three students during the creation of a C library to create and manage graphical interfaces.

+ EDUCATION

Sep 2014 – 2017 (expected)	**Master of Science in Engineering :** Computer Science & Applied Mathematics, option Vision, Modelling, Graphics & Simulation Ensimag / St-Martin d'Hères (Grenoble, FRANCE) → *Several other major school projects, in Java, C, C++, Matlab, Ada...*
Sep 2012 – Jun 2014	**MP Preparatory classes to higher schools** (mathematics/physics) – Computer Science option Lycée Blaise Pascal / Clermont-Ferrand (FRANCE)
Sep 2009 – Jun 2012	**Scientific baccalauréat (French A-levels)** – European section (English) Lycée St-Jacques de Compostelle / Le Puy-en-Velay (FRANCE)

+ LANGUAGES

French (Native C2 level)	**German** (B1 – B2)	**Polish** (Notions)
English (C1 – C2, TOEIC 985/990, B2 in 2013)	**Spanish** (Notions)	Knowledge of cyrillic script

+ CORE STUDIES (PARTIAL LIST)

Applied Mathematics	Numerical optimization · Operations Research & Combinatorial Optimization · Numerical data management · Probabilistic models for learning · Computer aided geometric design · 3D Graphics
Computer Science	Compilation · Algorithms & Discrete Optimization · Hardware Architecture · Databases · Object-Oriented Programming · Software Engineering · Networks & Telecommunications
Other	General Economics · Business Management · Project Management · Strategy & Marketing

+ TECHNICAL SKILLS

Programming & Web languages	**C/C++, Java, Bash, OpenGL, Ada, Scilab/Matlab, Latex, Caml, HTML5/CSS3, javaScript, jQuery, MongoDB, node.js** – basics in PHP **x86/MIPS assembly, VHDL, ActionScript** – basics in Python
Operating systems	Linux (Fedora, CentOS, Ubuntu), Windows 95 – 10, Android
Software & libraries	Git, Code::Blocks, Eclipse, NetBeans, Vim, Notepad++, Libre/Open/Microsoft Office GNU make, Maven, R, Maple, Inkscape, GIMP, Blender, SolidWorks, Qt, GNU MP, SDL, SFML

+ HOBBIES AND OTHER SKILLS

Travelling to foreign countries (Europe : 20 countries visited). Also interested in many foreign languages.

Miscellaneous personal programming projects in C/C++, ActionScript, JavaScript/HTML 5/CSS 3, and node.js

Computer security awareness (exploits and defense), both from self-education and ethical hacking conferences and challenges (GreHack, root-me.org, newbiecontest.org...)