

Matthieu MAURY

PLACE AND YEAR OF BIRTH: Paris, France | 1986
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WORK

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| May 2012 | <p>Developer & System analyst at Fraudbuster.mobi, Marseille (France)</p> <p>The goal of Fraudbuster.mobi is to detect and prevent fraud on mobile phone networks. To achieve this we are developing an expert system. My roles are:</p> <ul style="list-style-type: none">• Analyze software/library solutions usable for the application.• Found and optimise bottleneck.• Implement solution found.• Administration of the application server. |
| 2011 - 6 months | <p>Research Intern in the Cortex team at LORIA (Lorraine Laboratory of IT Research and its Applications), Nancy (France)</p> <p>The LORIA is one the research center part of the INRIA (National Institute for Research in Computer Science and Control)</p> <p>I worked under the supervision of Thomas Voegtlin (http://www.loria.fr/~voegtlin/) in the Cortex team (http://cortex.loria.fr), which focus on studying the properties and computational capacities of distributed, numerical and adaptative networks, as observed in neuronal systems.</p> <p>My research focused on the study and modelisation of the neuronal network responsible for different locomotion patterns in the C. elegans worm.</p> <ul style="list-style-type: none">• Neuronal modelisation, using the Brian Python's library.• Physical modelisation, using SOFA (Simulation Open Framework Architecture).• Machine learning, using Kalman filter to predict sequence of neuronal state during locomotion. |
| 2010 - 3 months | <p>Intern web developer at LeRoomService.com, Marseille (France)</p> <p>LeRoomService.com is a web search engine of food delivery restaurant.</p> <p>The goal of my internship was to create a geolocated newsletter application. This application aim to distribute personalized newsletter using the physical address of the subscriber.</p> |
| 2008 - 2 months 2007 - 3 months | <p>Intern software developer at the Plant Research International, Wageningen (Netherland).</p> <p>"Improving and adding features to a Java/Perl biology oriented software."</p> <ul style="list-style-type: none">• creation of a "workspace" that allows the design and modification of primers for DNA matching• allows the user to track advancement of multiple design projects in the same interface• Java/BioJava, Perl/BioPerl |

EDUCATION

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| 2007-2011 | <p>ESIL (School of Advanced Studies in Engineering), Marseille (France)</p> <p>Master's Degree in COMPUTER SCIENCE ENGINEERING.</p> <p>Major : Critical Information Systems and Application.</p> |
| 2009-2010 | <p>Exchange Student at the Uppsala university (Sweden)</p> <p>First year of COMPUTER SCIENCE Master's.</p> |

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| 2005-2007 | Technical degree in Bioinformatics , University of Clermont-Ferrand (France). |
| 2004-2005 | First year of CPGE in Mathematics, Physics and Chemistry at Nîmes (France). CPGE are selective preparatory classes leading to French elite institutes. |
| June 2004 | Baccalaureat in Physics and Chemistry with a minor in fine arts . equivalent of A-level in science. |

OTHER PROJECT/WORK

- **e-learning:** I follow various online course on platform sure as [MITx](#), [Coursera](#), [MIT OpenCourseware](#).
- **System administration:** I play with my remote server and my little home network regularly. I use the whole thing as file server, web server, TOR node, OpenVPN, git, mail server...
- **Programming:** Mainly scripting, and participating to small open source project.

LANGUAGE

- Mother tongue: French
- **English: fluent** 6-month internship in the Netherland, and 1 year studying in Sweden (TOEIC score: 935)

COMPUTER SCIENCE SKILLS

- Unix (Linux & Mac OS X), I mainly use Archlinux
- programming langages: Python, Ruby, C, \LaTeX , Perl, Octave
- Computational neuroscience
- Machine Learning
- Security and Cryptology
- Parallel and Distributed computing

INTERESTS

- Travelling and long stay abroad.
- Reading :
 - Contemporary literature (Bernard Werber, Dan Simmons, H. P. Lovecraft, George R. R. Martin)
 - Various scientific reading. (From article of interest to scientific news website)
- Photography: learning how to use my DSLR camera.
- Music: electric bass guitar
- Sport: snowboard, aikido