

Olivier Mehani

29 years old

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French
 French and Australian (NSW) driver's licence

Education

2011	PhD in Computer Science, Mines ParisTech/UNSW (Australia) Contributions to Mechanisms for Adaptive Use of Mobile Network Resources cotutelle with École des Mines de Paris and the University of New South Wales
2007	MSc in Complex Adaptive Systems, Chalmers University of Technology, Göteborg (Sweden) International Masters Programme
2007	MSc in Computer Science, UTC (Université de Technologie de Compiègne, France) majoring in Systems and Networks
2003	Engineering Technologist Degree in Electrical Engineering and Computing, University of Marseilles (France) majoring in Local Industrial Networks (ranked first)
2000–2001	Esiee Paris, (French Engineering School in Electrotechnics and Electronics) first year of the preparation cycle
2000	French scientific baccalauréat, G. Flaubert High School, Rouen, France European section, physics/chemistry option

Relevant experiences

2011 <i>(current)</i>	Nicta (National ICT Australia), Sydney, researcher optimising quality of experience in heterogeneous mobile networks development and evaluation of instrumentation and reporting tools
2008–2011	Nicta/Inria, PhD research research work in Nicta's Networked Systems Theme and Inria's Imara project-team
2007–2008	Inria (French National Institute for Research in Computer Science and Control), Imara Project-Team, network mobility/IPv6 engineer technical coordination for the Com2REACT european project design and maintenance of a vehicular ad-hoc network (VANET) design and implementation of an IPv6 mobility testbed maintenance of an embedded vehicular router Linux system
June 2006 <i>(6 months)</i>	Inria, Imara Project-Team, algorithmics conception and development of speed-adjusting algorithms for autonomous road vehicles
Sept. 2004 <i>(6 months)</i>	Linbox/Free ALter Soft, Free software porting automation of the compilation process of Free software for proprietary Unices technologies : GNU toolchain, php, PostgreSQL, Solaris, HP-UX, IRIX
April 2003 <i>(2 mon. 1/2)</i>	Caisse d'Épargne PACR, network administration development of and automated application update processus for mobile laptops technologies : Visual C++, VBScript
July 2001 <i>(1 month)</i>	Araknyde, web development development of the interface between a database server and a web site technologies : php, MySQL, Apache, GNU/Linux
August 2000 <i>(1 month)</i>	Grande Paroisse, internship in a chemical lab daily testings of industrial residues performance tests of filters for use in an automated testing machine
February 2000 <i>(5 months)</i>	Darnétal (France) city council, animation of a computer workshop supervision of a group of children aged between 10 and 15 organisation of activities in order to discover the computer

Projects

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|-----------|---|
| 2005 | Free software presentation day, gullUTC
organisation of the first event of the like, featuring conferences and an install party |
| 2003–2004 | Development of an autonomous drone (DGA/Onera contest), UTC
conception and realization of the embedded hardware and software of the flying agent
technologies : Rabbit 3000 microcontroller, uC/OS-II real-time OS |
| 2002–2004 | Network administration, University of Marseilles
installation and administration of a small network composed of 6 stations and one server
technologies : GNU/Linux, iptables, DHCP, DNS, NIS |
| 2002–2003 | Conception of an autonomous robot, University of Marseilles
development and building of a two-wheeled robot
technologies : PIC16F877, discrete electronical components |

Technical skills

- **Languages** : C (GNU, ANSI), Java, C++, shell scripts, Python, PHP, LISP, Prolog, assembly (68k and x86)
- **Systems** : Unix (GNU/Linux, OpenBSD, IRIX, HP-UX, Solaris), Windows (3.1 to 98 and NT4 to 2000)
- **Networks** : IP (v4 and v6), IPX, Netbios, basic services (DNS, DHCP, etc.)
- **Data representation and management** : XML, SQL (MySQL, PostgreSQL)
- **Software engineering** : UML, B method
- **Artificial Intelligence** : Neural networks, genetic algorithms, agent-based systems

Languages

- **English** : fluent (TOEFL score 263/300, TOEIC score 920/990), good understanding of technical english
- **Spanish** : practical level
- **German, Swedish** : basics
- **Chinese** : rudiments

Cultural activities

- assurer for Web-of-Trust-driven certificate authority CAcert
- member of the G6/TFF French IPv6 taskforce
- former active member in charge of the gullUTC (UTC's Free software users group)
- former member of the student union of the GEII departement of the University of Marseilles
- novels, mainly fantasy and science-fiction
- role-playing games (both tabletop and live-action)
- bass guitar