

Jean Charles MAMMANA

Phone 06.76.43.24.39 17 Boulevard Exelmans
E-mail [jc\[dot\]mamma\[dot\]na\[at\]gmail\[dot\]com](mailto:jc[mamma]na[at]gmail[dot]com) 75016 Paris
Age 24 France



Profile

Specialized in software development from low-level to high-level languages.
Mastering concepts related to software design, network and system security.
Polyvalent and excellent ability to adapt to the new technologies.

Formation

2006-2008 :

Studies in a five-year school in Computer Science.
EPITECH, Paris.

2003-2005 :

DUT in telecommunications and networks with part-time job.
IUT Vélizy.

2003 :

High-school final diploma in sciences and information technology, honorable mention.
High school Fernand Holweck, Paris.

Employment

2008 – 11 months:

R&D Software engineer at MXP4, the first interactive digital audio format. Working on the MXP4 engine on embedded devices.

2007 – 12 months:

Working in the [I.M.A.R.A](#) laboratory at [I.N.R.I.A](#), the public research institute in IT and automatics.
Participation in the new [RTMaps](#) development framework with the Ecole des [Mines de Paris](#).
RTMaps is a real time, advanced prototyping software dedicated to automobile industry.
Study of JAVA technology developed by IBM as part of an expertise for the Ecole des Mines de Paris.
Developing RTMaps modules for obstacle detection using [IBEO](#) laser scanners, which are used by INRIA and Thales.

2003/2005 – 24 months:

Network administration of the group [Les Echos](#).
Realization of a network monitoring application in JAVA, PHP and Delphi based on Cisco Systems equipment.

Summer 2003 – 2 months:

Web development of the new resources management intranet portal of the [Cardif](#) Company which is an insurance subsidiary of BNP Paribas group.

Realizations

Arobot Project: Programmable and modular robot

Studies and development on real-time embedded systems.

Design of a modular high level robot capable to work autonomously (image processing, data fusion) or remotely controlled from different way: Wifi, Bluetooth, GPRS/3G, Internet.

Software development in C and JAVA. Personal project currently under development.

<http://www.psykokwak.com/blog/index.php/tag/robot>

JBC Explorer: WEB file explorer

Design and development of a modular PHP tool for sharing files on a web server. A large community of users and developers has been created around this project which has become a reference in its application field on the Internet (+100000 download). This project has been used by a large number of web hosting such as OVH, Free or Lycos. Personal project.

<http://www.jbc-explorer.info/>

HoneyPipe & JMSNDump: Network security.

Development of tools for network analysis to demonstrate the weaknesses of some protocols.

Specific investigation on the SNMP protocol used by Windows Live Messenger and discovery of a DoS vulnerability of the latest Cisco Systems router series.

Episec & Trojan: System security.

Realization of a proof of concept demonstrating the weaknesses of Windows NT5 (2000/XP/2003). Backdoor creation using rootkit techniques like API hooking on user and kernel land to bypass security software like firewall or antivirus.

ZIA Project: WEB server.

Development of a modular web server RFC HTTP 1.1 compliant with SSL, deflate, CGI and PHP support. Project written in C++.

Certifications

Attended Microsoft MCSE certification.

Attended Cisco CCNA certification.

Interests

Electrical and thermal modeling related to automobile.

Amateur Photographer: <http://www.psykokwak.com/projects/blog/>

Music: Techno, Trance, Hardstyle, Rock, HardRock.

Travels (Europe, USA, Africa, China ...)

Friendly parties, restaurant, cinema...

Webmaster and animator of several Internet communities and forums.

Languages

English:

TOIEC level 750. Working knowledge.

German:

basics.