

M. M Weiss

[Address](#) Redwood City, CA, 94062 USA

[Home page](http://openspecies.googlepages.com) <<http://openspecies.googlepages.com>>

[Linked In](http://www.linkedin.com/in/m0m0w) <<http://www.linkedin.com/in/m0m0w>>

Skills

Operating System and Platforms

Highly proficient C programmer, experienced in POSIX/UNIX environment.
In-depth knowledge of OS kernel and user-space design and implementation.
Proficient with the design and theory of UNIX-based operating systems.

Vector Programming with GCC (SSE, MPI, OpenMP)

Operating System: MacOSX, iPhoneOS, FreeBSD, Linux, AIX

Hardware: x86, x86_64, powerpc, arm

Languages and Programming

Multi-threaded and concurrent software engineering, unit testing, test-driven development.

Languages

C (POSIX/ANSI), Objective-C (Cocoa/UIKit GNUStep), D, C++ (WXWidget, GTK)

Scripts

UNIX shells, Python, Javascript, Applescript

Web client/server

PHP, Python, SQL, Mysql, PostgreSQL, SQLite, Apache, XML (SOAP, REST, XML-RPC), XSLT, Javascript, CSS, XHTML, SVG, xPDF, Ajax

Database

Mysql, PostgreSQL, SQLite, Berkeley DB.

Networking

Sockets (userspace, kernelspace), TCP/IPv4/6/UDP, Virtual Network Interface (VIF)

Work Experience

+ **Self-employed Genus at Cucurbita** Mars 2008 - Present

iPhone / Cocoa / Unix / Internet service / Geocoding service / developments

+ **Team Leader & Sr Software Engineer at WPP-G2** December 2006 - October 2007

Team Leader, Lead Developer, responsible for leading a team of developers who produced multi-workflow applications for the national railway group, including RDBMS modeling and design.

+ **Sr Software Engineer at La Banque Postale** November 2004 - November 2006

Responsible for the development, design, analysis, and automation of internal services between 30,000 entities, including RDBMS modeling and design.

+ **Self-employed Software Engineer & IT Consultant** May 2002 - October 2004

Auditing / consulting on various IT projects. Designed components of a phone GUI Toolkit (Thomson). Deployment of content management systems using open-source solutions.

+ **Software Engineer at Lowe-Lintas** January 2000 - May 2002

Responsible for the management, hardware deployment of GNU/Linux servers hosting web platforms and for the development of various Internet marketing services.

+ **Self-employed Software Engineer** January 1999 - January 2000

Developed a layer between a POTS system on IBM AS400 mainframes, and a web front end using JSP.

Other Experience

+ **Sportpartner.com** January 1997 - June 2000

+ **Picturetank.com** June 2003 - 2007

+ **Linux-R** January 1999 - June 2003

Education

+ **Alma Mater Studiorum** 1998

Bachelor of Science (with honors), Geographic Information System

+ **University of Paris 13** 1997

Bachelor of Science, Geography

Associate's Degree, Urbanism

+ **College** 1995

Surveying, Topography

Honors & activities

+ Cocoaheads Member (2005 – Present)

+ Apprentice at The MacPorts Project (2008 – Present)

+ Volunteer at Python Community (1996 – Present)

+ USENIX Association Member (1997 – Present)

+ IEEE Computer Society Member (2003 – Present)

+ Volunteer at FreeBSD Project (2005 – Present)