

Curriculum Vitae

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Éric Lemoine

Python, JavaScript, and C developer, with a specialization in [web mapping](#).

Age: 37

Email: Eric -DOT- Lemoine -AT- gmail -DOT- com

Education

Sep 2001 – Jul 2004

Université Claude Bernard de Lyon (UCBL)

Phd student

Subject: New network interface functions for improved performance on multi-processor machines

Sep 2000 – Sep 2001

École Normale Supérieure (ENS)

Master student

Field: High performance computing and networking

Sep 1999 – Sep 2000

Institut National des Sciences Appliquées (INSA)

Engineer student

Field: computer science

Sep 1996 – Jul 1999

Institut des Sciences et Techniques de l'Ingénieur de Lyon (ISTIL)

Engineer student

Field: Applied mathematics

Internships

Feb 2000 – Sep 2000

"Institut de Recherche en Informatique et Systèmes Aléatoires"

Field: high-performance distributed computing

Task: dev. of a parallel and distributed application with CORBA and MPI

Technologies: C++, CORBA, [MPI](#)

Professional work

Feb 2007 – present

Camptocamp

Title: senior developer, technical leader, open-source project member

Domain: geospatial, web, open-source

Languages: Python, JavaScript, CSS, HTML

Technologies: [Ext](#), [OpenLayers](#), [Pylons](#), [SQLAlchemy](#)

Aug 2004 – Feb 2007

Sun Microsystems
Title: software engineer
Domain: high availability, system programming
Languages: C, Java
Technologies: Solaris, Sun Cluster, JMX

Sep 2001 – Aug 2004

Sun Microsystems and UCBL
Title: Phd student
Domain: High performance networking, multi-core and network CPUs
Languages: C
Technologies: Linux, TCP/IP, network device drivers

Main computer skills

Languages

C, C++, Python, JavaScript, Perl, Java
shell (bash, zsh, tsch)
XML, HTML, CSS

Programming tools

Git, Mercurial, SVN, CVS
gcc, gdb
vim

Operating systems

Linux (admin, user-level and kernel-level programming)
Solaris (admin, user-level programming)

Databases

PostgreSQL, SQLite, MySQL
PostGIS, Spatialite

Publications

2004

[Phd thesis](#)

A new mechanism for Transmission Notification on SMP
Technical report RT-0295, INRIA, May 2004
[\[bibtex\]](#)

Packet Classification in the NIC for Improved SMP-based Internet Servers
In Proceedings of IEEE 3rd International Conference on Networking (ICN'04), Guadeloupe, French Caribbean, March 2004
[\[bibtex\]](#)

2003

Packet classification in the NIC for improved SMP-based Internet servers
Technical report RT-0285, INRIA, September 2003
Packet classification technical report
[\[bibtex\]](#)

Fast forwarding with network processors
Technical report RR-4710, INRIA, January 2003
Fast forwarding technical report
[\[bibtex\]](#)

Social and personal skills

- Passionate software developer
- Linux user and enthusiast for 10 years
- Open-source believer
- Autodidact, especially when related to computer concepts
- Competent in providing guidance and leadership to others

(This resume is written in reStructuredText, converted to HTML using rst2html and to PDF using rst2pdf; the idea and tools come from Martin Felix Krafft.)