

Andreas Jaggi

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Objective

Contribute to an interesting project with an innovative company allowing me to prove my skills, extend my knowledge and gain more experience.

Value Offered

More than 5 years Web work experience, and a solid knowledge in Linux, Networks and Internet technologies. An extremely motivated and versatile person.

Work Experience

Freelance Web developer at Waterwave Webdesign, Thun / 2001 – Present
Planned and established standards-compliant Websites and Web applications (CMS, Onlinestore, Weblog, Community tools) using XHTML, CSS, XML-RPC, MySQL and PHP.

Developer at Swiss Federal Institute of Technology (EPFL), Lausanne / 2004 – Present

- developed Web applications and prototypes for new projects (inForm, Wiki, News-CMS)
- migrated existing projects to standards-compliant XHTML/CSS
- optimized the performance of critical PHP scripts
- improved the usability of Web applications using Web 2.0 technologies
- worked with XHTML, CSS, XML, XML-RPC, SOAP, MySQL, PHP, Python, wxPython, Shell, Smarty, PEAR, LDAP, AJAX, Javascript, Prototype and Subversion.

Project Experience

Global Sensor Network / October 2006 – March 2007

Develop applications for various embedded systems (Picotux – Linux/ARM7, BTnodes – NutOS/AVR, Mica2 – TinyOS), in order to integrate new sensor nodes into GSN and to allow GSN to be consulted remotely.

Broadcom 43xx Linux Driver / Summer 2005

Part of the team who developed the Linux driver for the Broadcom bcm43xx wireless chip using reverse engineered specifications. It has been included in the Linux Kernel since 2.6.17-rc2.

Auction's Eleven / October 2005 – May 2006

Planned with UML and implemented in Java an application to create, manage and attend auctions using a network or the internet.

Make a compiler / October 2005 – February 2006

Implemented in Scala a compiler (Scanner, Parser, Tree, Typer, Generator) for a simple object oriented language.

Skills

Operating Systems: Linux/Unix, Mac OS X, Windows

Programming languages: PHP, C/C++, Python, Perl, Shell, Java, wxPython, Scala

Internet languages: XHTML/HTML, CSS, JavaScript, AJAX, XML, Smarty

Databases: MySQL, Oracle, PostgreSQL

Applications: Vim, Inkscape, Gimp, Networking programs, Fireworks, OpenOffice

Development Tools: Subversion, Git, CVS, Make, Ant, various Cross-Compiling Toolchains, Bugzilla, UML, Eclipse, AWK, SED

Technologies: TCP/IP, XML-RPC, SOAP, LDAP



Education

2000 – 2003 **Bilingual Swiss Matura (German-French)**, Thun-Schadau Gymnasium
2003 – 2006 **Bachelor of Science in Computer Science**
Swiss Federal Institute of Technology Lausanne (EPFL)
2006 – Present **Master Program in Computer Science**, completion in May 2009
Swiss Federal Institute of Technology Lausanne (EPFL)

Relevant courses

Computer Networks (obtained 101 of 100 points in the midterm and the maximum degree in the final exam), Concurrency, Real-Time Programming, Software Engineering, Distributed Systems, Operating Systems, Artificial Intelligence, Databases, Computer Architecture, Embedded Systems, Distributed algorithms, Distributed Information Systems, Swarm Intelligence, TCP/IP Networking, Cryptography and Security

Awards

2nd place in Thinkquest Swiss Web Award 2001

Activities and Interests

- Technician responsible for complete sound system during year round concerts and other events at EPFL.
- Skiing
- Biking

Languages

Swiss German: Mother tongue
English: fluent
German: fluent
French: fluent

Personal Data

Citizenship: Switzerland
Date of birth: 22 January 1984

References

Pierre Crevoisier: Head of DIT-PRO at EPFL, Lausanne
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Michael Suter: Webdesigner at Waterwave Webdesign, Thun
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