

Summary

- Software Engineering internship with **P&T Luxembourg**
- Bachelor degree in Computer Science in 2005
- Proficient with W3C standards, Java, C, C++, PHP, Windows, Unix and Linux

Education

Immediately after I graduated from the **Athénée de Luxembourg** in 2001, I started my studies in Computer Science. In July 2005, I received the title of Bachelor of Science in Computer Science at the **École Polytechnique Fédérale de Lausanne**, Switzerland. Currently, I am doing my master project at the **Public Research Centre Henri Tudor**, under the supervision of Alain Vagner, about rich web client technologies in multimodal environments.

The courses I've taken at the EPFL include:

- Multimedia Documents
- Software Engineering Design
- Java Development
- Formal Languages
- Advanced Compiler Construction
- Conception of Information Systems
- Distributed Information Systems
- Advanced Databases
- Human Computer Interaction
- Advanced Computer Architecture

Experience

My early interest in the Internet, including its technologies, has led me to gain experience both by the numerous sites I made in my free time (including several of astonishing dimensions) and by the internships I had the chance to undertake in Luxembourg.

The following is a list achievements, including several internships, I achieved in the past years:

- **Software Engineering Internship, August 2003 to September 2003**
P&T Luxembourg, Luxembourg
- Team Member of the Financial Service Division

- Development of Java Shell applications for accounting statistics
- Conception and development of JSP interface for internal database querying
- **Software Engineering Internship, August 2004 to September 2004**
P&T Luxembourg, Luxembourg
 - Team Member of the Financial Service Division
 - Development for **Clearview Online**, Conception of XML schemas and XSL transformations
 - Leading Developer of Clearview CD-ROM Edition Installer
- **Software Engineering Internship, August 2005 to September 2005**
P&T Luxembourg, Luxembourg
 - Team Member of the Telecommunication Service Division
 - Research study about IMAP/POP3 daemons
 - Development of graphical visualizer for pop3 daemon logs
- **Assistant to Dr. Christine Vanoirbeek, March 2006 to Present**
École Polytechnique Fédérale de Lausanne, Switzerland
 - Assisted students with conception and implementation questions about XML Schema, XSL Transformations, SVG and SMIL
 - Lectures given about several XML features and the usage of **Altova XMLSpy**
- **Semester research project, March 2006 to Juli 2006**
École Polytechnique Fédérale de Lausanne, Switzerland
 - Research project on "Formalisation of necessary functionalities for an collaborative editing system" under the supervision of Dr. Christine Vanoirbeek
 - Case study of different research papers and current market solutions
 - Received the highest possible grade
- **Instructor for the official Luxembourgish delegation for the International Olympiad in Informatics 2007**
Centre de Technologie de l'État, Luxembourg
 - Introduction to algorithm complexity, data types and their algorithms
 - Overview of asymptotic notation, data types, graphs, trees and dynamic programming
 - Courses included practical challenges and solutions

Activities

Most of my free time, I spend with program code, webdesigns, HTML pages or CSS declarations. I still try to practice Martial Arts but my real passion lies with computer science. While I am quickly gaining experience with 3D programming (small games, demos, render engines), I try to spend as much time as possible practicing/researching interoperable languages, as specified by the W3C or assisting prospective coders in various online forums.

The following is a list of just some of the activities I've done over the past years:

- Part-Time web designer and web developer since 1999
- Early interest in W3C formats, including HTML, CSS, OWL, RDF, SMIL, SVG, XML and XSL
- Development of Content Management Systems and Forums for designer fan site
- Conception and Development of interactive menu solutions for websites featuring XML, XSLT and CSS
- Development of a compiler for EINS (language based on Scala) using advanced compiler techniques
- High ranking achieved in the J4K (Java games in 4kilobytes) contest organized by SUN and **Javagaming**.
- Founder of the Computer Club of the Athénée de Luxembourg
- Leader position during many years of the local **Scouting** organization.