

# Resume

## Laurent Cavin

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Swiss citizen (Vulliens, VD)

Born on April, 3<sup>rd</sup>, 1973

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## EDUCATION & SKILLS

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- University Degrees** 1999-2002: PhD in computer aided process design in ETH Zürich, Laboratorium für Technische Chemie, Safety and Environmental Technologies, Prof. K. Hungerbühler  
*A systematic approach for multi-objective process design in multi-purpose batch plants*
- 1992-1998: Diploma in Chemical engineering; “Ing. Chim. Dipl. EPF.” at EPFL  
Diploma Thesis: *Tools implementation for computational cost estimation of waste treatments in chemical processes*, with Prof. Hungerbühler, ETHZ
- 1998: “Expert Fédéral en Radioprotection”, by IRA (Applied Radiophysics Institute) and EPFL, Lausanne
- 1991-1992: International Chemistry Olympiads (Poland and USA)
- High School Degrees** 1989-1992: Baccalauréat BX mention Latin-Mathématiques; Maturité Fédérale B  
*Dual High School Degrees: Classic and Sciences;*  
*Prix de créativité artistique (Art Creativity Award)*
- Languages** **French:** mother tongue  
**English:** very good  
**German:** very good conversation and reading
- Computer Science** Courses at the Computer Science Dept. in EPFL (1993-1995)  
**Programming languages:** MatLab, C/C++, Pascal, VBA, PERL ...  
**Operating systems:** *Administrator skills:* WinNT, Win2k, WinXP and MacOS 9.x  
*Advanced user skills:* UNIX (Solaris, HP-UX, MacOS X)  
**Specialized Software:** Aspen Plus, BatchPlus, MatLab, BDK, Databases (e.g. MS Access)...

## PROFESSIONAL EXPERIENCE

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- Chemistry** 1996-1997: Teaching assistant in EPFL in the lecture “General chemistry for engineers”.  
1996; three months: Internship with Prof. Comminelis (EPFL): *Theory and experiments on a soils unspoiling system through electrochemical ways.*
- Computer Science** 1998-2002: Computer Administration & Support: *Administration of a WinNT server and about 30 machines in a mixed environment*, ETHZ.  
1995-2000: Independent programmer (project-based contracts)  
*Web programming for companies like Le Temps, Montreux Jazz Festival (online shop and ‘live’ multimedia web site), Movado (in cooperation with Oh Carré!), NiteXS sàrl...;*  
*Databases applications for EPFL and UNIL; Optimization project with EKZ (Elektrische Kraftwerke Zürich).*

## SIDE ACTIVITIES

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- Music** Piano, Jazz bands, member of the organization of Jazz Festivals (1991-2001)
- Cultural Interests** Theater (member of an improvisation band, 1999-2001), Literature, Traveling, History
- Social Life** Founder & Manager of a student’s bar (1995-1998)
- Business** Participation in the business plan competition “Venture 2002”, organized by McKinsey and ETHZ.