

Curriculum Vitae: Dominique Guinard

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PERSONAL DATA

- **First-name:** Dominique **Last-name:** Guinard
- **Son of:** Jean-Pierre (Advisory Systems Service Rep. at IBM Switzerland), and Mireille (Beautician)
- **Age:** 28 years old (27th of February 1981)
- **Current address:** Rebhaldenstrasse 4b, 8910 Affoltern-am-Albis, Switzerland.
- **Phone number:** Mobile: +41 (0)79 347 19 20, Work: +41 (0) 58 871 78 46
- **Civil status:** Single **Nationality:** Swiss
- **Language skills:** French (mother tongue), English (fluent, Cambridge Certificate of Adv. English), German (good).
- **Research interests:** Service composition and mashups in a Web of Things
- **Other interests:** Hiking, skiing, cooking, mixing electronic music and traveling around the world.

EDUCATION

- **PhD. Candidate in Computer Science**
Dec 2008 - today
PhD. candidate, dissertation topic: "Architecting a Mashable Open World Wide Web of Things". In particular looking at how devices of the physical world (e.g. sensor networks, mobile phones, etc.) can be brought to the Web to enable serendipitous reuse in novel applications as for example energy monitoring applications.
ETH Zurich, Institute for Pervasive Computing (Prof. Friedemann Mattern).
- **Master of Science in Computer Science (Trilingual: English, French and German)**
2005-2007 (2 years), Final Grade: 5.7/6: Universities of Fribourg and Bern.
Master thesis at the Mobile and Ubiquitous Computing Laboratory (Prof. Hans Gellersen).
University of Lancaster, United Kingdom.
- **Bachelor of Science in Computer Science and Management (Bilingual: German and French)**
2002-2005 (3 years), Final Grade: 5.5/6: University of Fribourg, Switzerland.
- **Baccalaureate in Management**
1998-2001 (4 years): Collège de Gambach, Fribourg, Switzerland.

PRACTICAL EXPERIENCE

- SAP AG 2007 - Today
 - Associate researcher (50%) for SAP Research Zurich. Working in the software engineering aspects of scalable Web oriented architectures for embedded devices and business applications (Web of Things).
- Auto-ID Labs, Information Management Group, ETH Zurich June 2007 - Dec 2008
 - Associate researcher. Working in the field of a “Mobile Internet of Things” with Nokia Research.
- Software Engineering Group, University of Fribourg 2005 - 2007
 - External scientific collaborator working on a Java EE RFID-based assets tracking framework (diuf.unifr.ch/rfid).
- Pervasive and Artificial Intelligence Research Group, University of Fribourg 2005 - 2006
 - Teaching assistant for the Operating and Distributed Systems Laboratory, University of Fribourg.
- Swiss School of Informatics 2002 - 2006
 - Part-time (20%) teacher for Web programming (HTML, Javascript, PHP, Perl) at the Swiss School of Informatics.
- GMIPSoft.com 1996 - 2006
 - Co-founder and team manager of GMIPSoft.com, a students’ organization active in the domain of computer services for small to middle sized companies (merged in 2006).
- Sun Microsystems, Inc. August to November 2005
 - Intern at the “Client Solutions, Software Practice” in Gland. Working on the design and implementation of a virtualized Java EE portal for the banking business.
- Spoker 2000 - 2005
 - Co-founder and developer of Spoker, a company providing one of the world’s first online platform for selling second hand sport articles (closed in 2005).
- FRIBOT 2004 - 2007
 - Founder of FRIBOT (www.fribot.org): A competition for Java autonomous robots, opposing most of Switzerland’s Computer Science faculties.
- Dartfish 1998 - 1999
 - Web developer for Dartfish (www.dartfish.com), a company specialized video imaging technologies.

IT SKILLS

- **Academic Projects**

Bachelor Thesis in Software Engineering with Sun Microsystems Inc.: *Radio Frequency IDentification: Evaluation of the Technology Supporting the Development of an Assets Tracking Application using Enterprise Java Beans.*

Masters Thesis in Ubiquitous Computing: *RelateGateways: A Java Architecture to Enable Spontaneous Mobile Spatial Interaction with Pervasive Services.*

- **Computer Languages and Formalisms**

Java Enterprise (EJB, JPA, JMS, JAX-RS, etc.), Java Standard Edition, Java Mobile Edition, Android, Web Service technologies (WS-*, REST, DPWS), Web languages (HTML, CSS, JavaScript, PHP, JSON), Web UI frameworks (JSF, Google Web Toolkit, etc.) C, C# (.Net), XML technologies (XSLT, XSD, etc.), SQL, Visual Basic, Scheme, Latex.

- **Operating Systems and Software**

Application Servers (Glassfish, SAP Netweaver, etc.), Database servers (MySQL, SQL Server, MAX DB), SAP software, Virtualization Technologies (VMware), Linux, Solaris, Windows, IDEs (Netbeans, Eclipse, Visual Studio).

PUBLICATIONS

The most up-to-date list of my publications can be found on: www.guinard.org/publications

AWARDS and MISC

- 2010: Co-organizer of the first Web of Things Workshop (WoT 2010) at PerCom 2010 in Mannheim.
- 2009: "Jade Nature" Energy Award for the "Energie Visible" project.
- 2007: Co-founder of the Webofthings.com initiative.
- 2007: Best swiss Master Thesis award (Fritz Kutter Award 2007 for Practice-Relevant Computer Science Theses): "RelateGateways: Mobile Spatial Interaction with Pervasive Services".
- 2007: Grant for a Master Thesis abroad offered by the Hasler Foundation.
- 1999 and 2000: Semi-finalist of the Think Quest International Web Award.

REFERENCES

- **Prof. FRIEDEMANN MATTERN**
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