

Philippe Moret

Curriculum Vitae

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Education

- 2007–2011 **PhD Informatics**, *Università della Svizzera Italiana*, Lugano.
Dissertation title: *Rapid Development of Dynamic Program Analyses*
- 2002–2007 **MSc Computer Science**, *EPFL*, Lausanne.

Experience

- 2016–present **Bioinformatics Engineer**, *Sophia Genetics SA*, St-Sulpice.
Development and optimization of bioinformatics pipelines in a fast-growing structure.
(Perl, Python, R, Java, Scala, PostgreSQL, Unix Shell)
- 2015–2016 **Postdoc**, *UNIL – Université de Lausanne*, Lausanne.
Research in Bioinformatics, development on a database of gene expressions.
(MySQL, Scala, Python, Java, Tomcat)
- 2013–2014 **Consultant**, *ELCA Informatique SA*, Lausanne.
- Development of a reporting solution in a private bank
(Spring, JasperReports, Web Services, Oracle PL/SQL)
 - Development of a large web-based application for a federal office.
(GWT, Sencha GXT, Spring, Hibernate, Oracle)
- 2012 **Development Engineer**, *Swissquote Bank SA*, Gland.
- Development of the internal software for the Back-office department:
 - Outgoing payment system, reporting tools, administration tools.
 - TWR Performance computation(Spring, Hibernate, Maven, Oracle)
- 2007–2011 **Research and Teaching Assistant**, *Università della Svizzera Italiana*, Lugano.
Research and teaching assistant
- Author and co-author of 6 journal papers and 16 conference papers (all peer-reviewed).
 - Teaching assistant (2007–08): Net-Centric Computing lecture by Prof. Walter Binder.
 - Development of tools for profiling, dynamic program analysis, and visualization for applications running on the Java Virtual Machine.
(Java, JVMTI, ASM, C, Python, Javascript, LaTeX)

Miscellaneous

- 2011 **Service Civil**, *Digger DTR*, Tavannes.
(3 months) Refactoring, redesign and upgrade of an existing Java software for the real-time transmission of GPS data.
(Java, PostgreSQL, Hibernate, Guice, Swing)

Languages

French Mother tongue
English Fluent oral & written
German Good oral & written understanding, basic expression

Computer Skills

Languages Scala, Java, Python, Perl, Unix Shell, Javascript, C, Go, PL/SQL
Tools Spring, Maven, Akka, Slick, Play 2.x, Hibernate
Operating Systems Linux, MacOS X, Windows
Databases Oracle, PostgreSQL, MySQL, SQLite, MongoDB

Personal

Nationality Swiss
Marital Status Married
Date of Birth Oct. 24th 1983

Interests

Hobbies Photography, Volley, Hiking, Cycling

Publications

Please refer to my DBLP page : <http://dblp.uni-trier.de/pers/hd/m/Moret> :
Philippe or contact me if you need more details