Thomas Schweizer

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EDUCATION

Bachelor of Science HES-SO in Computer Science, major in Software Engineering. **HEIG-VD**	09.2011 - 09.2014
Major de promotion (Valedictorian), Grade : A	
Summer university in computer science at San Jose State University. **HEIG-VD, SJSU**	07.2013
Certificat fédéral de capacité - Informatique. **ETML**	08.2008 - 06.2011
Apprenticeship in Computer Science	
Maturité technique professionnelle. **ETML**	08.2008 - 06.2011
Equivalent of a professional high school degree in Computer Science	

WORK EXPERIENCE

Software engineer. **Digger**	05.2016 - Current
- Same responsibilities as an IT Civil Volunteer	
- Research and development of a remote control system for excavators	
Travel to the United States & programming projects	11.2015 - 05.2016
IT Civil Volunteer. **Digger** - Fixed term contract for Swiss civil service	10.2014 - 10.2015
- Full stack software engineering on multi-platform GPS applications and on other projects	
- Maintenance of IT infrastructure and technical support for the foundation employees	
Technical Support Helpdesk. **EPFL, Poseidon** - Apprenticeship's internship	09.2010 - 12.2010
- Helpdesk (Hardware and software) for EPFL's undergraduate, graduate and PHDs	
- Maintenance, development and documentation of a Windows 7 auto installer	

ACADEMIC EXPERIENCE AND PROJECTS

Pause, Free-time : Break-time reminder in Scala and JavaFx	12.2016 - 01.2017
Seshat, Free-time : Modern class diagram editor in Java and JavaFx	10.2015 - Current
Evolution et vie artificielles (Artificial evolution and life), HEIG-VD, Maximum grade	02.2014 - 09.2014
- Development of a 3D simulation software to observe the evolution of a population of virtual organisms	
- Development of a genetic library to represent virtual organisms	
- Measuring and analysis of different organisms' population with different initial conditions	
PropSim, HEIG-VD, Project leader (Team of 5) : Configurable propagation simulator in Python	09.2013 - 01.2014
MIDAS, HEIG-VD, Project leader (Team of 5) : Accounting software in Java	02.2013 - 06.2013
Onapi, HEIG-VD, Project leader (Team of 4) : 2D game in Java	04.2013 - 06.2013
Locate, Summer University, Team of 4 : Localization game on Android	08.2013

COMPUTER SKILLS

Languages:	Java, C#, Scala, Haskell, R, Python, SQL, C++, HTML, CSS, PHP, JavaScript, C, Assembly
Others:	Agile, Android, Machine Learning, Bioinformatics, Relational Database, Data Science, Unity, IT

AWARDS AND ACHIEVEMENTS

HEIG-VD

Prix HEIG-VD : Best overall results during all semesters and final project in computer science (full time)	12.2014
Prix GiTi : Excellent bachelor project "*Evolution et vie artificielles*"	12.2014

ETML

Distinction : One of the ten best final year project of computer science's apprenticeships in Switzerland in 2011	11.2011
Prix de pratique : Best overall performance for final year	07.2011
Second position performance for the state of Vaud, Switzerland in 2011 in computer science apprenticeships	
Prix de théorie : Best average grade in theory for final year	07.2011
Diplôme ETML : Passed the finals and very good results during the training	07.2011
Prix d'attitude et progrès remarquables : Remarkable progress, merit and behavior	11.2009

Bilingual in French and English. Basic understanding and speaking in German · · · · · · · · · · · References and awards available on demand