

# Thomas Schweizer

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## EDUCATION

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<i>Master of Science in Computer Science, major in Software engineering.</i> <b>UDEM</b>	01.2018 - Current
<i>Bachelor of Science HES-SO in Computer Science, major in Software Engineering.</i> <b>HEIG-VD</b>	09.2011 - 09.2014
Major de promotion (Valedictorian), Grade : A	
Summer university in computer science at San Jose State University. <b>HEIG-VD, SJSU</b>	07.2013
<i>Certificat fédéral de capacité en informatique et Maturité technique professionnelle.</i> <b>ETML</b>	08.2008 - 06.2011
Apprenticeship in computer science coupled with the equivalent of a professional high school degree	

## WORK EXPERIENCE

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Software engineer. <b>Digger</b>	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. <b>Digger</b> - 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. <b>EPFL, Poseidon</b> - 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

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<b>Pause</b> , Free-time : Break-time reminder in Scala and JavaFx	12.2016 - 01.2017
<b>Seshat</b> , Free-time : Modern class diagram editor in Java and JavaFx	10.2015 - Current
<b>Evolution et vie artificielles</b> (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	
<b>PropSim</b> , HEIG-VD, Project leader (Team of 5) : Configurable propagation simulator in Python	09.2013 - 01.2014
<b>MIDAS</b> , HEIG-VD, Project leader (Team of 5) : Accounting software in Java	02.2013 - 06.2013
<b>Onapi</b> , HEIG-VD, Project leader (Team of 4) : 2D game in Java	04.2013 - 06.2013
<b>Locate</b> , Summer University, Team of 4 : Localization game on Android	08.2013

## COMPUTER SKILLS

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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

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<u>HEIG-VD</u>	
<i>Prix HEIG-VD</i> : Best overall results during all semesters and final project in computer science (full time)	12.2014
<i>Prix GiTi</i> : Excellent bachelor project " <i>Evolution et vie artificielles</i> "	12.2014
<u>ETML</u>	
<i>Distinction</i> : One of the ten best final year project of computer science's apprenticeships in Switzerland in 2011	11.2011
<i>Prix de pratique</i> : Best overall performance for final year	07.2011
Second position performance for the state of Vaud, Switzerland in 2011 in computer science apprenticeships	
<i>Prix de théorie</i> : Best average grade in theory for final year	07.2011
<i>Diplôme ETML</i> : Passed the finals and very good results during the training	07.2011
<i>Prix d'attitude et progrès remarquables</i> : Remarkable progress, merit and behavior	11.2009

References and awards available on demand