Thomas Schweizer

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EDUCATION

Master of Science in Computer Science, major in Software Engineering 2018 - ...
Université de Montréal (UdeM), Canada

Bachelor of Science in Computer Science, major in Software Engineering 2011 - 2014
Haute Ecole d'Ingénierie et de Gestion du Canton de Vaud (HEIG-VD), Switzerland

International Summer university in Computer Science 2013
San Jose State University (SJSU), United States

Certificat Fédéral de Capacité en Informatique and **Maturité Technique Professionnelle** 2008 - 2011
(Apprenticeship in computer science coupled with the equivalent of a professional high school degree)
Ecole Technique - Ecole des Métiers de Lausanne (ETML), Switzerland

EMPLOYMENT

Software engineer. Digger Foundation. *Switzerland.* 2014 - ...
- Significantly enhanced the robustness, maintainability, and ergonomics of the main, and largest, product
by gradually evolving its core architecture.
- Introduced agile methodology and enforced systematic testing for critical software components.
- Improved the development processes by installing and configuring a new integrated workflow platform and
setting practical development guidelines for the company.
- Improved collaboration and documentation by installing new servers and network equipment.
Teaching assistant for 'Advanced Java'. UdeM. *Canada.* 2019
Teaching assistant for 'Software Engineering'. UdeM. *Canada.* 2018

ACADEMIA

CASCON'19	Submitted a technical article [http://bit.ly/2lC285I]	06.2019
ESEM'19	Submitted a vision article [http://bit.ly/2lJoKAZ]	06.2019
CSCAN/SPAC'19	Poster presentation	06.2019
MiSE@ICSE'19	Poster presentation	05.2019
CSER'19	Poster presentation	05.2019
ESEM'19	Submitted a technical article [http://bit.ly/2k5v8SO]	04.2019
ICSE/SRC'19	Submitted a technical article [http://bit.ly/2lAqgpb]	01.2019
ICSE'19	Submitted a technical article [http://bit.ly/2kliPlD]	08.2018
SEMLA'18	Poster Presentation	06.2018

TECHNICAL SKILLS

Topics:	Software Engineering, Data Science, Machine Learning, Agile, Git, Unix, Android, Databases, Bioinformatics
Languages:	Java, Python, R, HTML, CSS, JavaScript, SQL, C#, Scala, Haskell, C++, C, Assembly

PROJECTS

Pause, Personal project : Break-time reminder built on Electron (HTML/CSS/Javascript/NodeJS).
Seshat, Personal project : Modern class diagram editor in Java and JavaFx.
Stargazers, UdeM, Team project, project leader : Exoplanet classifier based on Kepler dataset.
EVA, HEIG-VD : Evolution et vie artificielles (Artificial evolution and life).
- Developed a genetic library and a 3D simulation environment in C# to understand the evolution of a population of virtual
organisms, and executed controlled experiments to analyze the behaviors of different populations.
PropSim, HEIG-VD, Team project, Scrum master : Configurable propagation simulator in Python.

Awards and achievements on the back.

Awards and Achievements

UdeM (GPA 4.0)

Bourse de rédaction DIRO: Departmental scholarship for thesis redaction	2019
Bourse d'excellence FESP: Graduate and post-doctoral studies faculty scholarship for academic excellence	2019
Bourse de fin de maîtrise: Graduate and post-doctoral studies faculty scholarship for thesis redaction	2019
Bourse d'excellence DIRO: Departmental scholarship for academic excellence	2019
Bourse d'excellence DIRO: Departmental scholarship for academic excellence	2018
Bourse d'excellence FESP: Graduate and post-doctoral studies faculty scholarship for academic excellence	2018
Bourse C: Scholarship of excellence for international students	2018

SJSU (GPA 3.96, Class rank 1)

HEIG-VD (Grade A, Class rank 1)

Prix HEIG-VD : Best overall results during all semesters and final project	2014
Prix GiTi : Excellent bachelor project "*Evolution et vie artificielles*"	2014

ETML (Grade A, Class rank 1)

Distinction : Top 10 best final year project of computer science apprenticeships in Switzerland	2011
Distinction : Second best performance in Switzerland for the state of Vaud in computer science apprenticeships	2011
Prix de pratique : Best overall performance for final year.	2011
Prix de théorie : Best average grade in theory for the final year	2011
Diplôme ETML : Passed the finals and very good results during the training	2011
Prix d'attitude et progrès remarquables : Remarkable progress, merit and behavior	2009

GPA (out of 4.0) is calculated from `https://applications.wes.org/igpa-calculator/`.