Thomas Schweizer

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EDUCATION

Master of Science in Computer Science, major in Software Engineering *Université de Montréal* (UdeM), Canada	2018 - ...
Bachelor of Science in Computer Science, major in Software Engineering *Haute Ecole d'Ingénierie et de Gestion du Canton de Vaud* (HEIG-VD), Switzerland	2011 - 2014
International Summer university in Computer Science *San Jose State University* (SJSU), United States	2013
Certificat Fédéral de Capacité en Informatique and **Maturité Technique Professionnelle** (Apprenticeship in computer science coupled with the equivalent of a professional high school degree) *Ecole Technique - Ecole des Métiers de Lausanne* (ETML), Switzerland	2008 - 2011

EMPLOYMENT

Software engineer. Digger Foundation. *Switzerland.* - 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.	2014 - ...
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 d'excellence FESP: Excellent academic and research results	2019
Bourse de fin de maîtrise: Excellent academic and research results	2019
Bourse d'excellence DIRO: Excellent academic and research results	2019
Bourse d'excellence DIRO: Excellent academic and research results	2018
Bourse d'excellence FESP: Excellent academic and research results	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