ARON FIECHTER

Curriculum vitae, updated July 4, 2021

Information

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Online presence	Personal website: https://aronfiechter.com
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Date of birth	17 August 1994
Nationality	Swiss

Education

Jul 2020 – June 2021	PhD student in the REVEAL group, Software Institute, USI Lugano.
Sep 2018 – Jun 2020	Master of Science in Software and Data Engineering, USI Lugano. Master thesis in the REVEAL group. Thesis title: *Assessing the Impact of Readability in Software Engineering*. Graduated with *summa cum laude* in June 2020.
Sep 2015 – Jun 2018	Bachelor of Science in Informatics, USI Lugano. Bachelor project in the REVEAL group. Project title: *University timetable scheduling*. The project consisted in developing a solver to be integrated in a web application. Graduated with *summa cum laude* in June 2018.
Sep 2009 – Jun 2013	Highschool in Locarno, specific option Biology and Chemistry and complementary option Physics.

Professional experience

Jul 2018 – Feb 2020	Software developer at HEGIAS in Lugano (CH). Technologies used: Node.js, Express.js, Sharp.js, Mongoose, React.
Feb 2018 – Jun 2018	Teaching assistant for the course *Programming Fundamentals II* given by Prof. Matthias Hauswirth at USI Lugano. The course was about object oriented programming using Java.
Sep 2017 – Dec 2017	Internship at Comunica IT Services SA in Chiasso (CH). The internship consisted in developing a web application using Node.js and Polymer 2.x.
Jul 2017 – Aug 2017	Research internship at the Faculty of Informatics at USI Lugano supervised by Prof. Evanthia Papadopoulou. The internship consisted in developing a graphical tool using C++ and CGAL; title: *Implementation of Geometrical Algorithms – The Farthest Line-Segment Voronoi Diagram*.

Informatics skills

General	Unix, macOS, Linux, web development, DevOps, CI/CD, GitLab, Docker, software engineering, functional and object oriented programming.

Languages and frameworks

Advanced	Scala, Java, Kotlin, JavaScript, Python. Spring Boot, Vue.js, React.js, Node.js, Express.js, mongoDB, Pandas.
Intermediate	Pharo Smalltalk, Typescript, Haskell, C++, LaTeX, Scheme. Spark, Docker, Gitlab, GraphQL, ELK Stack.
Basic	C, Bash, R, SQL, MATLAB. Qt, OptaPlanner.

Languages

Italian	Native language.
English	Fluent, used daily for more than 6 years.
French	Advanced.
German	Intermediate.

Extracurricular activity

May 2017 onward	Active member of the association USIGeek, with organizative and team leader roles. The association organizes cultural and entertainment events such as viewing of movies, TV series and board games nights.

Grants & prizes

Aug 2018	Awarded one of the 10 scholarships from the Foundation for the Lugano Faculties of USI for the attendance of a Master's programme at the Faculty of Informatics.
Mar 2017	Winner of the 2016/2017 Harley Davidson Club Ticino scolarship for attending the second year of Bachelor at USI Lugano on the basis of the results of the first year.

Interests

Science	I'm mainly interested in physics and political and social sciences.
Cinema	I watch a lot of movies and TV series, which led to my participation in USIGeek.
Board Games	I like playing board games, and my favourite one is *Magic: The Gathering*.
Science Fiction	Time travel stories are my favourite ones, especially *Steins;Gate* and *Dark*.