

ARON FIECHTER

Curriculum vitae, updated August 28, 2024

Information

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<i>Date of birth</i>	17 August 1994
<i>Nationality</i>	Swiss

Employment history

<i>Sep 2021 – Now</i>	R&D Software Engineer at CodeLounge. Research work in reverse engineering, data processing, and education. Development work using many technologies: React.js, Vue.js, Svelte.js, Babylon.js, Spring Boot, Scala FS2 and FastParse, ARKit, PyTorch, OpenCV.
<i>Jul 2018 – Feb 2020</i>	Software developer at HEGIAS in Lugano (CH). Technologies used: Node.js, Express.js, Sharp.js, Mongoose, React.js.
<i>Feb 2018 – Jun 2018</i>	Teaching assistant for the course <i>Programming Fundamentals II</i> given by Prof. Matthias Hauswirth at USI Lugano. The course was about object oriented programming using Java.
<i>Sep 2017 – Dec 2017</i>	Internship at Comunica IT Services SA in Chiasso (CH). The internship consisted in developing a web application using Node.js and Polymer 2.x.
<i>Jul 2017 – Aug 2017</i>	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: <i>Implementation of Geometrical Algorithms – The Farthest Line-Segment Voronoi Diagram</i> .

Education

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

Informatics skills

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

Languages and frameworks

Advanced Scala, Java, Kotlin, TypeScript, JavaScript, Python. Spring Boot, React.js, Vue.js, Node.js, MongoDB, Pandas. Docker, Docker-compose, nginx.

Intermediate Haskell, L^AT_EX, Scheme, Pharo Smalltalk. Svelte.js, Babylon.js, PyTorch, Spark, FS2, FastParse, GraphQL, ELK Stack.

Basic C, C++, Bash, R, SQL, MATLAB. OpenCV, Qt, OptaPlanner.

Languages

Italian Native language.

English Fluent, used daily since 2015.

French Advanced.

German Intermediate.

Extracurricular activity

May 2017 – Sep 2020 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 scholarship for attending the second year of Bachelor at USI Lugano on the basis of the results of the first year.

Interests

Music Music is my main hobby, I listen to several genres and like to find less known artists.

Science My interests are physics, philosophy, psychology, 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*.