Zoé Baraschi

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Education

2018 - 2020	**Master in Computer Science, 120 ECTS**, *Swiss Federal Institute of Technology (EPFL)* .
2013 - 2017	**Bachelor in Computer Science, 180 ECTS**, *Swiss Federal Institute of Technology (EPFL)* .

Experience

Sep - Dec 2018 — **Student Teaching Assistant - Introduction to Java Programming**, *EPFL*,
Helped first year bachelor students to understand and complete their programming exercises.

Jun - Dec 2017 — **Software Engineering Trainee - NEVIS**, *AdNovum*,
Developed a Java plug-in to translate Markdown files into HTML.
Designed and developed a versioning system that ensures the persistence of files in nevisAdmin4. The SQL back-end was implemented using Spring and locking was used to ensure concurrency. Unit and integration tests were written for reliability. The code follows the clean architecture paradigms.

Sep - Dec 2016 — **Bachelor Semester Project**, *EPFL*,
Contributed to the open source image-js project and created an application on cheminfo.org for biologists to analyse the impact of one type of cell on another's growth.

Feb - Jun 2016 — **Student Teaching Assistant - Digital Systems Design**, *EPFL*,
Helped students to complete their exercises on boolean algebra, circuit design and simulation, as well as analysis in VHDL using Altera Quartus.

Jun - Sep 2014 — **Summer Trainee - Technology and Innovation Dept**, *European Broadcasting Union (EBU)*,
Created a dashboard displaying the whereabouts of the tech staff using the dashing.io framework. Retrieved calendar data from MS Exchange server, serialized it and sent it to a virtual server where it was stored. The data was periodically sent to the framework using a scheduler and was then filtered and displayed on a webpage according to the different calendar event settings.

Programming Languages

Java, Python, C, JavaScript, SQL, HTML, CSS, LaTeX, Markdown

Languages

French (C2), English (C2), German (C1)

Associations and Volunteering

SATELLITE	2018 - Contributed to the decisions made about a student-run bar and helped to organize events.
AGEPOLY	2016 - Services Team. Organised events such as blood donations and equipement sales.
CODE.org	2016 - Volunteered in a primary school during the Hour of Code 2016.
IC Travel	2015 - Committee Member of IC's study trip organization. Organised fundraising events during the academic year.
HC2	2014 - Coordinated one of Switzerland's largest algorithmic contests.
CLIC-IC	2013 - Committee Member of EPFL's IC student association. Organised on campus events during the academic year

Interests

Hiking, Singing, Traveling, Yoga