



Alexis Cartier

EPFL Master Student

Computer Science
(Data Analytics speciality)

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Stackoverflow profile



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Interests

- Big Data
- Machine Learning
- Interaction Design

Languages

- Java, Scala, Python
- SQL

Other interests

- Music (drummer since the age of 7)
- Skiing, Swimming

Education

2015 - Jan. 2018

(Expected)

M.Sc., Computer Science

Lausanne, Switzerland

Specialization: Data Analytics

EPFL

2012 - 2015

B.Sc., Computer Science

Lausanne, Switzerland

EPFL

2010 - 2012

Technology University Degree in Computer Science (DUT)

Annecy, France

IUT

Experience

Sept. 2015/6 -

Jan. 2016/7

Java Teaching Assistant

EPFL

Teaching assistant for an introductory course to the Java programming language. I'm also in charge to answer questions on the corresponding MOOCs on Coursera.

Jan. 2014 -

May 2014

Java Teaching Assistant

EPFL

Teaching assistant for an oriented object practice course. Students deepen their knowledge of the Java language through a large project. They learn to use the different types of collections (lists, hash tables, trees, ...) and are also introduced to other concepts (generics, anonymous classes and functions, immutability, ...). They also learn the important design patterns (Decorator, Composite, Builder, ...).

March 2012 -

Sept. 2012

Software Developer

Doctors Without Borders

The goal was to create prototype mobile applications in order to easily collect datas for teams on the ground. The project has been tried for children's malnutrition in Tchad.

Technologies used: Java (Android), SQL, jQuery, OpenMRS Data model

EPFL Related

Feb. 2015 -

June 2015

Staged Parser Combinators

LAMP Laboratory

The aim of this bachelor semester project was to show how we can implement interleaved parsers in order to parse network protocols. The slides of the presentation are available here.

This project has been supervised by Manohar Jonnalagedda and Martin Odersky. I got an overall grade of 5.5/6.

Relevant classes taken (grades are over 6)

- Probabilités et statistique (MATH-232), Davison Anthony C., 5.5
- Introduction à l'optimisation et à la recherche opérationnelle (MATH-265), Bierlaire Michel, 5.5
- Programmation orientée système (CS-207), Chappelier Jean-Cédric, 5.5
- Software engineering (CS-305), Larus James Richard, 5.5 (Recommendation letter available)
- Distributed information systems (CS-423), Catasta Michele / Aberer Karl, 5.5
- Database systems (CS-422), Koch Christoph, 5