

Guillaume Martres

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🎂 Birthdate: 19/05/1993

🇫🇷🇹🇳 Nationalities: French and Tunisian

Education

- 2016–Present **Ph.D. in Computer Science**, *EPFL*, Lausanne, Switzerland.
Working on the [Dotty](#) research compiler for [Scala](#)
- 2013–2015 **Master in Computer Science**, *EPFL*, Lausanne, Switzerland.
The subject of my Master thesis was:
Implementing [value classes](#) in [Dotty](#), a compiler for [Scala](#).
- 2010–2013 **Bachelor in Computer Science**, *EPFL*, Lausanne, Switzerland.

Employment History

- 06/2015–08/2016 **Research Intern**, *Mozilla*, Mountain View, California.
I participated in the development of the [AV1](#) video codec, notably by integrating features from [Daala](#).
- 10/2015–05/2016 **Scientific Assistant**, *EPFL*, Lausanne, Switzerland.
I worked on the [Dotty](#) research compiler for [Scala](#).
- 07/2014–09/2014 **Software Engineering Contractor**, *Mozilla*.
I worked on the in-progress [Daala](#) video codec.
- 07/2013–10/2013 **Software Engineering Intern**, *Google*, Mountain View, California.
I worked on the reference encoder for the [VP9](#) video codec.
- 05/2012–08/2012 **Student Developer**, *Google*.
I took part in the [Google Summer of Code](#) by writing an [HEVC](#) decoder for [Libav](#) (this decoder was subsequently completed with the help of many contributors and also merged in [FFmpeg](#)).
- 07/2011–10/2011 **Student Developer**, *European Space Agency*.
I participated in the [Summer of Code in Space](#) organized by the European Space Agency and contributed to the [Marble](#) virtual globe and atlas by adding support for [satellites display](#).

Skills

- Languages I have experience with Scala, Haskell, C, C++ (especially with Qt), Java
- Languages I'm currently using Scala, C
- Operating Systems Linux (especially Debian-based distributions).

Notable Open Source contributions

- Libav/FFmpeg Work on the HEVC decoder.
- KDE I maintained the [Gluon game engine](#) audio subsystem, ported the [Kvkbd virtual keyboard](#) from KDE3 to KDE4, contributed to several projects including the [Muon package manager](#).
- Kubuntu I did [packaging](#) work.
- Miscellaneous I contribute to several projects on [Github](#).

Languages

- French Native speaker
- English Fluent