

Olivier Blanvillain

40 rue Vauvenargues

75018 Paris

+33 783 88 50 25

`olivier.blanvillain@gmail.com`

- EDUCATION**
- 2015: EPFL Master's degree in Computer Science, GPA: 5.26/6
 - 2012: EPFL Bachelor's degree in Computer Science, GPA: 5.47/6
 - 2009: EPFL preparatory year (CMS), GPA: 5.31/6
 - 2008: French Scientific Baccalaureate
- EXPERIENCE**
- 2015: MFG Labs, June 2015 - present: Lead Software Engineer
 - Working on an AdTech product, leading a team of 6 software engineers
 - Scala, Play, Slick, Spark, PostgreSQL, Akka Streams, Elasticsearch, AWS
 - 2013: CERN (IT-CIS-DLS), six-month: Software Engineer Intern
 - Designed and implemented the BlogForever Crawler in Python
 - Published a journal paper on the content extraction algorithm
- PROJECTS**
- 2015: Unified Validation Library, redesigned for Scala.js
 - Modernised all pure functional concepts using Cats
 - Implemented automatic type class derivation with Shapeless
 - 2015: EPFL (LAMP), master project: Scala.js networking made easy
 - Designed a networking library for type-safe, cross-platform communication
 - Built a multiplayer game with predictive latency compensation as illustration
 - 2014: EPFL (LARA), semester project: SlickChair conference management system
 - Integrated Google, Facebook and email authentication for Play
 - Developed a generic append-only data store layer on top of Slick
 - 2014: Library for functional programming in Unix Shell
 - 2012: Minimalist content management system using Google Docs
 - 2011: Parallelization of a collaborative filtering algorithm with Menthor
 - 2010: Java bot for a flash puzzle game
- All projects are available open source on <http://github.com/olivierblanvillain>
- LANGUAGES**
- Expert: Scala, Java, Python, Shell
 - Intermediate: C, C#, PHP, SQL, Haskell
 - Beginner: JavaScript, R, Perl, VHDL, Clojure
- PERSONAL**
- Born on July 9, 1990 in Geneva, dual citizenship French-Swiss
 - Languages: French (mother tongue), English (C1/C2), Spanish (B2)
 - Hobbies: Music (piano, drums and lots of listening), video & board games, unicycle