

# Olivier Blanvillain

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- 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: Backend Software Engineer working on an AdTech product. Scala, Akka, Reactive Stream, Play, Slick, PostgreSQL, Elasticsearch, Docker, AWS (Redshift, SQS, S3, EBS).
  - 2013: CERN (IT-CIS-DLS), six-month internship: design and implementation of the *BlogForever Crawler* in Python [↗](#). The new content extraction algorithm lead to a conference paper which was later extended to a journal version published in the *International Journal of AI Tools* [↗](#).
- PROJECTS**
- 2015: EPFL (LAMP), master project: *Scala.js networking made easy*. Designed a networking library for simple, unified and type-safe browser-server communication [↗](#). Built a cross platform, real time multiplayer game with predictive latency compensation as an illustration [↗](#).
  - 2014: EPFL (LARA), semester project: *SlickChair conference management system* [↗](#), developed from scratch using Play and Slick. Experienced many aspects of software development: establishment of specifications, choice of technologies, implementation and deployment in production.
  - 2014: Library for functional programming in Unix Shell [↗](#)
  - 2012: Minimal content management system using Google Docs [↗](#)
  - 2011: Parallelization of a collaborative filtering algorithm with Menthor [↗](#)
  - 2010: Java bot for a flash puzzle game [↗](#)
- LANGUAGES**
- Expert: Java, Python, Scala, Shell
  - Intermediate: C, C#, PHP, SQL, Haskell
  - Beginner: JavaScript, R, Perl, VHDL, Clojure
- PERSONAL**
- Born on July 9, 1990, dual citizenship French-Swiss
  - Languages: French (mother tongue), English (C1/C2), Spanish (B2)
  - Hobbies: Music, video games, board games, unicycle

Links to project repositories are available in the electronic version of this document.

<https://olivierblanvillain.github.io/resume/>