

Ruben Fiszel

Master student in Computer Science
Minor in Financial Engineering

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Education

- 2015 - 2017 **École Polytechnique Fédérale de Lausanne (EPFL)**, *Lausanne, Switzerland*.
Master in Computer Science with a minor in Financial Engineering
- 2014-2015 **Johns Hopkins University (JHU)**, *Baltimore, USA*.
Third and Last year of Bachelor: Study abroad
- 2012-2015 **École Polytechnique Fédérale de Lausanne (EPFL)**, *Lausanne, Switzerland*.
Bachelor of Science in CS **Overall GPA: 5.16/6**

Work Experience

- Summer 2016 **Skymind**, *San Francisco, US*.
Software Engineer Intern
Implementing the state-of-the-art A3C reinforcement learning method for the deep learning framework deeplearning4j.
- Summer 2013 **Crossing-Tech**, *Lausanne, Switzerland*.
Software Engineer Intern
Building from scratch an interface in which the client can interact with the UI by writing directly in natural language. Developed in Scala language with the help of Grammatical Framework.

Relevant Projects

- Spring 2016 **Semester project: Study of deep reinforcement learning methods and deep exploration.**
Semester project at the Laboratory of Artificial Intelligence of EPFL
- 2014-2015 **Android game, Sole developer**, *Scala with libgdx*.
Game inspired by Faster Than Light (FTL) with some real-time strategy (RTS) elements
- 2014 **Quizz application backend using the actor Framework Akka**, *Scala with Akka*.
The stateful nature of a quizz was a perfect fit for the usage of an actor framework. The server was efficient and scalable to a high-volume of players
- 2014 **eShop armancerotceig.com**, *Python with Django*.
- 2012-2013 **Android Strategy Game**, *Scala with libgdx*, Not published.
Turn-by-turn strategy game, inspired from Advance Wars for Nintendo GBA

Skills

- Programming Scala, Java, Python, OCaml, Haskell, C/C++, Lisp, Perl, PHP, Matlab
- Languages Native French, Fluent English, Basic German
- Interests Strong interest in Statistics, Functionnal Programming, Artificial Intelligence, Machine Learning, NLP
- Programming HopHacks 2015 Google Code Jam: 2012, 2013 Helvetic Coding Contest (hc2): 2013
- Contests IEEEExtreme Programming: 2013 (72nd Mondial Ranking) Prologin (french national programming contest): 2012, 2011
- Others Ski instructor, Vice-President of the European Association at JHU 2014-2015, Teaching Assistant in C++ at EPFL, Class president throughout all my years at EPFL.