

Ruben Fiszel

Master student in CS at EPFL
VSR at Stanford

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Education

- Feb 2017 - Sep 2017 **Stanford University, Palo Alto, USA**, Visiting Student Researcher.
Master's thesis on "abstraction without compromise" at the PPL under Prof. Kunle Olukotun and Prof. Martin Odersky supervision. Working on applying a Scala to FPGA compiler for autonomous driving of drones.
- 2015 - Sep 2017 **École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland**.
Master in Computer Science with a minor in Financial Engineering
Overall current GPA: 5.58/6 (Top 5%)
- 2014-2015 **Johns Hopkins University (JHU), Baltimore, USA**.
Third and Last year of Bachelor: Study abroad. **Selected with a scholarship**
- 2012-2015 **École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland**.
Bachelor in CS
Overall GPA: 5.16/6 (Top 5%)

Work Experience

- Summer 2016 **SkyMind, San Francisco, US**.
Software Engineer Intern
Author of the Deep Reinforcement Library rl4j (github.com/deeplearning4j/rl4j).
Library includes the asynchronous method A3C and is able to play from pixel input.
- Summer 2013 **Crossing-Tech, Lausanne, Switzerland**.
Software Engineer Intern
Creating the backend to understand and execute the clients requests expressed in natural language through NLP

Relevant Projects

- Spring 2016 **Study of deep reinforcement learning methods and deep exploration**.
Semester project at the Laboratory of Artificial Intelligence at EPFL
- 2014-2015 **Android Strategy game, Sole developer, Scala with libgdx**.
Game inspired by Faster Than Light (FTL) with some real-time strategy (RTS) elements
- 2014 **Quiz application backend, Scala with Akka**.
Development of a scalable backend architecture for a high number 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 Languages: Scala, Haskell, OCaml, Python, Erlang, Typescript, Java, R
Native French, Fluent English, Basic German
- Interests: Strong interest in Statistics, Functionnal Programming, Artificial Intelligence, Machine Learning, NLP
- Programming Contests: TreeHacks 2017 HackEPFL 2016 HopHacks 2015 Google Code Jam: 2012, 2013 Helvetic Coding Contest (hc2): 2013 IEEEExtreme Programming: 2013 (72nd Mondial Ranking) Prologuin: 2012, 2011
- Others: Elected class president throughout all my years at EPFL, Ski instructor, Teaching Assistant in various courses at EPFL