

Ruben Fiszel

Software Engineer at Palantir

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Work Experience

- 2017 - ... **Palantir**, *London, UK*.
Software Engineer
Developer tools (LSP) for Spark integration with SQL, Java/Scala and Python.
Spark job orchestration on kubernetes
- Summer 2016 **Skymind**, *San Francisco, US*.
Software Engineer Intern
Converting personal project scala-drl into the official reinforcement learning library for dl4j: r14j.
- Summer 2013 **Crossing-Tech**, *Lausanne, Switzerland*.
Software Engineer Intern NLP with Scala and the Grammatical Framework

Education

- 2017 **Stanford University**, *Palo Alto, USA*, Visiting Student Researcher.
Master thesis on “abstraction without compromise” at the DAWM lab under Prof. Kunle Olukotun and Prof. Martin Odersky supervision.
- 2015 - 2017 **École Polytechnique Fédérale de Lausanne (EPFL)**, *Lausanne, Switzerland*.
MSc in Computer Science with a minor in Financial Engineering
CS GPA: 5.61/6 (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%)**

Relevant Projects

- 2017 **Spatial**, Contributed to Spatial, a Scala to FPGA/CGRA compiler, built its interpreter and applied Spatial to accelerated sensor fusion on drones as my master thesis at Stanford’s DAWN lab. (github.com/stanford-ppl/spatial).
- 2017 **scala-flow**, Built “Scala data-flow library” to develop real-time dataflows in a functional manner. Alternative to Simulink and compatible with Spatial. (github.com/rubenfiszel/scala-flow).
- 2016 **r14j**, Built “reinforcement learning for java” library developed as part of my internship at Skymind (github.com/deeplearning4j/r14j).
- 2016 **scala-drl**, Built “Scala deep reinforcement learning library” developed as part of my semester project at the Laboratory of Artificial Intelligence at EPFL (github.com/rubenfiszel/scala-drl).

Skills

- Programming Scala, Haskell, OCaml, Python, Erlang, Typescript, Java
- Interests Probabilities, Functional Programming, Machine Learning (RL and NLP)
- Programming TreeHacks 2017 HackEPFL 2016 HopHacks 2015 Google Code Jam: 2012,
Contests 2013 Helvetic Coding Contest (hc2): 2013 IEEEExtreme Programming: 2013 (72nd
Mondial Ranking) Prologin: 2012, 2011
- Others Elected class president throughout all my years at EPFL, Ski instructor, Teaching Assistant in various courses at EPFL