

Ruben Fiszel

SWE at Palantir
Scala and ML specialist

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Work Experience

- 2017 - ... **Palantir, London, UK.**
Software Engineer
Core distributed infrastructure and founding member of the R&D team.
- Summer 2016 **Skymind, San Francisco, US.**
Software Engineer Intern
Wrote `deeplearning4j`'s official Deep Reinforcement Learning library `RL4J` (github.com/deeplearning4j/rl4j).
- Summer 2013 **Crossing-Tech, Lausanne, Switzerland.**
Software Engineer Intern
NLP prototyping

Education

- 2017 **Stanford University, Palo Alto, USA**, Visiting Student Researcher.
Master thesis on “abstraction without compromise” at the DAWN lab under Prof. Kunle Olukotun and Prof. Martin Odersky supervision. Contributed to `Spatial`, a Scala to Hardware (FPGA) compiler and developed autonomous driving of drones using Rao-Blackwellized Particle Filters.
- 2017 **École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland.**
MSc. in Computer Science with a minor in Financial Engineering
Overall current GPA: 5.58/6 (Top 5%)
- 2015 **Johns Hopkins University (JHU), Baltimore, USA.**
Third and Last year of Bachelor: Study abroad. **Selected with a scholarship**
- 2015 **École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland.**
Bachelor in Computer Science
Overall GPA: 5.16/6 (Top 5%)

Relevant Projects

- 2018 **Paper: Spatial: A Language and Compiler for Application Accelerators.**
PLDI2018 <https://doi.org/10.1145/3192366.3192379>
- 2016 **Study of deep reinforcement learning methods and deep exploration.**
Semester project at the Laboratory of Artificial Intelligence at EPFL
- 2015 **Android Strategy game, Sole developer, Scala with libgdx.**
Game inspired by *Faster Than Light (FTL)* with some real-time strategy (RTS) elements

Skills

- Programming Scala, Haskell, OCaml, Python, Erlang, Typescript, Java
- Interests Statistics, High-Performance Computing, Compilers, Functional Programming, Machine Learning, NLP
- Programming TreeHacks 2017 HackEPFL 2016 HopHacks 2015 Google Code Jam: 2012, 2013
Contests 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