

Alexandre Gbaguidi Aïsse | CV

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CS student researcher | Looking for my **6 months** end-of-studies **internship** starting in **Feb 2018**.

Education

- **EPITA** **Paris, France**
Graduate school of Computer Science, Engineering degree *Sep 2013 – to date*
- **Staffordshire University** **Stafford, England**
Real-time and embedded systems, Semester abroad *Jan 2015 – Mai 2015*

Experience

- **LRDE (Research and Development Laboratory of EPITA)** **Paris, France**
Intern and then, Student researcher *Sep 2016 – to date*
Various contributions to Spot¹: Optimization of ω -automata minimization using Boolean satisfiability (SAT) solvers, conversion of common ω -automata classes into co-Büchi automata and checking “persistence” properties on LTL formulas. In preparation for a publication (Jan 2018).
- **Ecole polytechnique – HEC** **Paris, France**
Teaching assistant *Aug 2016*
A team of 4 assistants helping students to quickly master all programming notions (Python) being seen in a Big Data course.

Some programming projects

- Python:** Multiple barcode recognition on an image (using OpenCV).
- Scala:** 'Tron' AI implementation: reached the 107th place over 4000 players worldwide.
- C++:** Real-time CUDA Raytracer.
A spell checker based on a patricia trie with 3000 qps/core and 512 Mo as constraints.
- C:** POSIX-compliant shell based on the SCL.
Memory allocation library.
Optical character recognition software.

Skills

- Languages:** French (Native), Russian (Native), English (TOEIC 850)
- Programming:** C, C++, Python, MATLAB, C#, Scala, PostgreSQL, Java.
- OS:** Linux / UNIX, Mac Os X, Windows.
- Interests:** Audio recording, mix, master, computer-aided music, travels, event planning.

¹Spot is a C++14 library for LTL, ω -automata manipulation and model checking.