

Nicolas Barry

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I am a Computer Science student at engineering school EPITA in Paris, member of the school Research and Development Laboratory (LRDE). As part of my 4th year of study, I am looking for a five-month internship from Sept 2015 to Jan 2016 with a development team working on modern C++ oriented projects and/or other innovating technologies.

Experience

- **LRDE (EPITA's Research and Development Laboratory), Paris** **Dec 2014–Today**
Student Researcher and Developer
I joined the VCSN project - a platform dedicated to the computation of, and with, finite state machines. It provides an efficient C++ library, a Python interface, and a graphical user interface on top of IPython.
- **EPITA's C/UNIX Assistant, Paris** **Sept 2014–Today**
Student Teacher
Pass on C/UNIX system knowledge to EPITA's second year international students (in english).
- **Magic Bazar, Paris** **June–August 2012**
Web developer
I used PHP/PostgreSQL with the JELIX framework to create an e-commerce solution.

Notable Projects

- **VCSN** (*ongoing*) is a finite state machine platform in C++/Python.
- **Tiger compiler** is the Andrew Appel's Compiler project but in C++.
- **42sh** is a POSIX bash-like – a command-line interpreter and user interface.
- **myHTTpd** is a web server handling a subset of the HTTP1.0/1.1 protocole.
- **Ludume Dare's A glove between worlds** is a video game made during a worldwide game development jam in 72h with 2 other EPITA's students.

Skills

- **Programming Languages:** Proficient in C++11/14, C, Python, PostgreSQL
Also basic ability with Assembly, Java, C#, Lisp and OCaml.
- **Software Skills:** GNU/Linux, Vim, L^AT_EX, Git, GDB, Valgrind.
- **Languages:** Native **French** speaker, proficient in **English** and **Russian**.

Education

- **EPITA (École pour l'Informatique et les Techniques Avancées), Paris** **2011–Today**
French top-tier engineering school preparing to IT and Data Sciences careers
- **Pierre de Fermat High School, Toulouse** **2009–2011**
Baccalauréat in science of engineering (S–SI)
- **French School in Moscow, Russia** **1993–2009**