



Ophir LOJKINE

ENGINEERING STUDENT & SOFTWARE DEVELOPER



+ CONTACT INFORMATION

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Nationality French
Date of birth 16 april, 1994
Github github.com/lovasoa

+ EDUCATION



2015-2017 [Bauman Moscow state university](#)

(IU5 faculty : Automatic Information Processing and Control Systems). Double-diploma.
Relevant coursework : **Linear algebra**, **Databases** (both relational and non-relational), **Big Data**, software modeling with UML, queuing theory, reliability theory, information security.



2013 – 2017 [École centrale de Nantes](#) (French Grande école of engineering)

Relevant coursework : **Mathematics** (probability & statistics, linear optimization), **Object-oriented programming**, **Functional programming**, Answer-Set programming, operating systems.



2011 – 2013 **Success in the French competitive exams for engineering schools**

2 years of post-secondary preparatory school: intensive training course for undergraduate students in mathematics, physics and engineering. Was among the first 500 students of over 3 000.

2009 – 2011 **French scientific baccalauréat – obtained with honors.** Lycée **Henri IV** – Paris

+ EXPERIENCE

ACADEMIC 2016-2017 : master's thesis. Modeling and comparing efficient join algorithms for distributed systems. Algorithm implementations in **Spark**, models in **python**.

PROFESSIONAL April-August 2015 : Internship. Data scientist at ERDF (largest French electricity distribution company). Designed and implemented a **forecast tool** for network-level electrical consumption. Worked with a database of 10 million+ data points representing past consumption and meteorological data over several years. Used **SVM** with **python** and scikit-learn.

July-August 2014 : Internship. Front-end developer at [AF83](#), worked on [monalbumphoto.fr](#). Worked with the agile methodology, and a modern web stack.

FREE SOFTWARE [sql.js](#) : Fork and rewrite of the only port of **sqlite** to **javascript**. >2000 installations / month.
[dezoomify](#) : Image download web application. ~4000 users / month.
[expectation-maximization](#) : Javascript implementation of the expectation-maximization algorithm for multi-dimensional data. >20 installations / day.

INFORMATION SECURITY Identified and in several cases helped to correct security breaches in : Ruzzle (smartphone game), fnac.fr, adopteunmec.fr, sciei-concours.fr, easyweb-permis.fr.

+ LANGUAGES

Russian	German	English	French
Good command 2 years studying C.S. in Russian	Basic 2 nd foreign language	Good command, both written and spoken TOEIC 930	Native

+ RELEVANT SKILLS

Data analysis **Python** (numpy, scipy, scikit-learn), Scala (**Spark**), **SQL** (PL/SQL, MySQL, sqlite), **NoSQL** (CouchDB)
Tools Atom, Vim, **git**, TravisCI
Web **JavaScript**, HTML5, CSS3, PHP, **SQL**, angular, Coffeescript, Elm
Operating systems **UNIX**, **Linux**, Android, MacOS, Windows

+ PROFESSIONAL HIGHLIGHTS

I have a several-year experience of contributing to free software.

I love to take the initiative in exploring new interesting development techniques.

+ HOBBIES

- Theater** : amateur theater group, Centrale Nantes
- Sports** : Rowing, Climbing
- Travels** : Russia, Belgium, Germany, Morocco, Hungary, Holland, Italy, Spain, Great Britain, Switzerland