Ophir LOJKINE SENIOR SOFTWARE ENGINEER
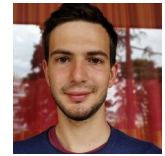
+ CONTACT INFORMATION

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Home address		22 rue du Vertbois, 75003 Paris, France

Nationality: French
Date of birth: 16 April 1994
Github: **github.com/lovasoa**

+ EDUCATION

2015-2017 **Bauman Moscow state university** (double-diploma)
Linear algebra, Databases, Big Data, software modeling, queuing theory, reliability theory, information security.

2013 – 2017 **École centrale de Nantes** (French *Grande École* of engineering)
Mathematics, Object-oriented programming, Functional programming, Answer-Set programming.

+ EXPERIENCE

PROFESSIONAL

2018 – 2020 : **Senior Software engineer at AutoGrid**. Worked on a data platform handling all of Total's renewable power generation data in France. Wrote Python services that now handle sensitive and complex time-series in realtime in production every day. Worked on both large kubernetes clusters and embedded real-time devices with limited resources. Built data visualizations. Modeled a large multivariate optimization problem in Tensorflow.

2017 – 2018 : **Data engineer at Qwant** (search engine). Worked on all steps of the data acquisition pipeline. Improved reliability and performance of the company's web crawler bot. Created a classification and clustering model for user queries using a distributed K-Means on Apache Spark.

2015 : **Data scientist intern at ERDF** (now Enedis, 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.

2014 : **Front-end developer intern at AF83**, worked on a large-scale web application (monalbumphoto.fr) using the agile methodology.

ACADEMIC

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

FREE SOFTWARE

sql.js : Fork and rewrite of the only port of **sqlite** to **javascript**. **~40 000 downloads** / day.
dezoomify : Image downloading web application. **~4200 unique users** / month.
marshmallow-dataclass: Python data serialization library. **~1500 downloads** / day.

+ LANGUAGES

Russian	English	French
fluent (speaking, reading, writing)	full professional proficiency, **TOEIC 930**	Native

+ RELEVANT SKILLS

Data analysis **Python** (tensorflow, pandas, numpy, scipy, scikit-learn), Scala (**Spark**), **SQL** (PL/SQL, MySQL, sqlite), **NoSQL** (InfluxDB, ElasticSearch, CouchDB)

Tools IntelliJ, Atom, Vim, **git**, maven, jenkins, gitlab, **jira**

Application development **Java** (java8, spring), **Python** (flask, async), **Rust**, **JavaScript**, HTML5, CSS3, PHP, **SQL**, angular, 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 technologies and development techniques.

I am calm, consensus-seeking, and love to have long in-depth technical discussions.

+ HOBBIES

Ethical Hacking: I'm an eager player of root-me challenges, reported security issues to major websites (fnac.com, french engineering school admission system) and mobile apps (ruzzle). Got rewarded a bug bounty by Mozilla for a vulnerability on one of their websites. Reported bugs and security vulnerabilities to Firefox, Chrome, and Safari.

Theater: amateur theater group, Centrale Nantes

Travel : Russia, Belgium, Germany, Morocco, Hungary, Holland, Italy, Spain, Great Britain, Switzerland