



# Timothée Jourde

## Computer Science Master's Student

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Fond of computer science and autodidact, I'm looking for a final year internship starting on April 2019. I'm mainly focused on functional programming.

## Work Experience

- June - July 2018* **Haskell AI**  
Internship at LaBRI, Formal Methods team (master's degree, first year): design and implementation of a parametric Mastermind computer player. Supervised by (4) and (5). [github.com/timjrd/mastermind](https://github.com/timjrd/mastermind)
- June - July 2017* **Scala Scala.js D3.js**  
Software developer position at ISPED, ERIAS team: continuation of the previous project, in partnership with LaBRI (see below).
- March - August 2016* **Java Lucene GWT Data mining Semantic Web**  
Software developer position at ISPED, ERIAS team: development of an online forums analysis system targeted at spotting medications misuses by the population, with a web visualization application. Supervised by (3).
- April - May 2015* **C++ OpenGL GLSL Scala Spark Big data**  
Internship at LaBRI, EVADoMe team (technical degree): implementation of a massive data visualization application based on parallel coordinates, with a distributed backend infrastructure. Supervised by (2). This work has provided the basis for a publication (1).

## Skills

- Haskell** Very interested. Mainly focused on this language. Several projects done. Internship experience. Good command of the base language. Regular readings.
- C++** Interested. Several projects. Internship experience. Good command.
- Java** Several projects. Work experience. Good command.
- C** Several projects. Decent command.
- Scala** Very interested. Work experience. Decent command.
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- GNU/Linux** Good knowledge and daily usage.
- Nix/NixOS** Very interested. Daily usage. Decent command.
- Git** Good command.
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- CSS3** Interested. Several projects. Good command.
- XHTML5** Decent command.

Free Software enthusiast. Inquisitive, in-depth computer science knowledge.

## Education

- currently* Computer science master's degree at University of Bordeaux, software engineering specialisation (M2, second year).
- 2017 - 2018* Computer science master's degree at University of Bordeaux (M1, first year).
- 2016 - 2017* Computer science bachelor's degree at University of Bordeaux (L3, third year).
- 2013 - 2015* Computer science technical degree (DUT) at Bordeaux University Institute of Technology (IUT).
- 2013* High school diploma, mathematics specialisation (BAC S).

## Publication

- 1 Joris SANSEN, Gaëlle RICHER, Timothée JOURDE, Frédéric LALANNE, David AUBER, Romain BOURQUI. "Visual Exploration of Large Multidimensional Data Using Parallel Coordinates on Big Data Infrastructure". *Informatics*. 12 July 2017. [www.mdpi.com/2227-9709/4/3/21](http://www.mdpi.com/2227-9709/4/3/21)

## Languages

- French** Native language.
- English** CEFR B2 (upper intermediate). Daily reading of technical articles and documentation.

## References

- 2 Romain BOURQUI. Associate professor at LaBRI, EVADoMe team (Bordeaux Laboratory for Computer Science Research ; Visual Analytics and Interactive Exploration of Massive Data). [bourqui@labri.fr](mailto:bourqui@labri.fr)
- 3 Gayo DIALLO. Associate professor at ISPED, ERIAS team (Bordeaux School of Public Health ; Computer Research Applied to Health). [gayo.diallo@u-bordeaux.fr](mailto:gayo.diallo@u-bordeaux.fr)
- 4 Hugo GIMBERT. CNRS researcher at LaBRI. [hugo.gimbert@labri.fr](mailto:hugo.gimbert@labri.fr)
- 5 Nathanaël FIJALKOW. CNRS researcher at LaBRI. [nathanael.fijalkow@labri.fr](mailto:nathanael.fijalkow@labri.fr)