# Théodore Lopez

*PhD student in computer science*

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## PhD

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| supervised by | **Benjamin Monmège and Jean-Marc Talbot**. |
| at | **Aix-Marseille Université**. |

## Research interests

**Automata Theory**.
**Formal Method**.

## Education

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| 2015-2017 | **Master's degree MPRI AFP**, *ENS Paris-Saclay, Université Paris-Saclay*, France. |
| 2014-2015 | **Bachelor's degree in computer science**, *ENS Cachan*, France. |

## Internships

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| feb.- july 2018 | **Separation problem of regular tree languages by non-deterministic tree-walking automata**, *MIMUW*, Warsaw, Supervised by Mikołaj Bojańczyk. |
| oct. 2017 - jan. 2018 | **Boolean and Unambiguous Polynomial closure alternation over classes of languages**, *LABRI*, Bordeaux, Supervised by Thomas Place and Marc Zeitoun. |
| march - july 2017 | **Deciding one-valueness of weighted automata over the rational languages semiring**, *LIF*, Marseille, Supervised by Benjamin Monmège et Jean-Marc Talbot. |
| feb. - july 2016 | **Short killing words for Unambiguous Büchi automata**, *University of Oxford*, Oxford, Supervised by Stefan Kiefer. |
| june - july 2015 | **Synchronizing relations on words**, *LABRI*, Bordeaux, Supervised by Diego Figueira and Thomas Place. |

## Programming Languages

Ocaml, C/C++