

Arthur Boixel

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🌐 arthur-boixel

Education

- 2018 - today **PhD Candidate in Computational Social Choice**, *ILLC*, University of Amsterdam, Science Park 107, 1098 XG Amsterdam, the Netherlands.
- 2016 - 2018 **MSc Degree in Theoretical Computer Science - Rank : 1/6**, University of Montpellier, 34000 Montpellier, France.
- 2013 - 2016 **BSc Degree in Computer Science - Rank : 1/~23**, Jean Monnet University, 42000 Saint-Etienne, France.
- 2013 **Scientifical *baccalauréat* (speciality mathematics) - Distinction « Very good »**, Lycée Vaugelas (*secondary school*), 73000 Chambéry, France.

Research experience

- January - June 2018 **Research intership : *Social choice and argumentation***, INRIA GraphIK, Montpellier : <https://team.inria.fr/graphik/>.
Combining argumentation theory and deliberation to circumvent social choice impossibilities (voting paradox) by allowing agents' preferences restructuration.
Superviors : Pierre Bisquert, Madalina Croitoru
Keywords : Social Choice, Single Peakedness, Argumentation, Deliberation
- June - July 2017 **Research intership : *Negation as failure integration into existential rules***, INRIA GraphIK, Montpellier : <https://team.inria.fr/graphik/>.
Construction of a theoretical framework allowing the characterization of the stratifiability of existential rules bases embedding negation as failure. [Java implementation](#) of algorithmic results within a tool based on the Graal platform. Testing implementation on the [ChEBI database](#).
Supervisor : Marie-Laure Mugnier
Keywords : Knowledge Representation, Reasoning, Existential Rules, Logic
- May 2016 **Observation week**, *Data Intelligence Team - Hubert Curien Laboratory*, Saint-Etienne, France.
A week spent in company of researchers and PhD students in computer science.

Personal skills

Computer skills

Programmation Java, C, Prolog, Python, Bash
Office \LaTeX , gnuplot, WYSIWYG softwares
OS GNU/Linux distributions, Microsoft Windows

Languages

French Native language
English CEFR:C1 (self assessed)
Spanish CEFR:B2