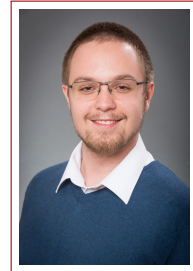# Gaëtan Staquet

PhD Student in Theoretical Computer Science

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DocSkellington

Academic CV — Last updated on November 2, 2020.

Research experience

October 2020 – Present	**PhD Thesis**, *UMONS (University of Mons) and UAntwerpen (University of Antwerp)*, Belgium. Title: Improvement of the state of the art regarding the theory of learning algorithms for automata models extended with resources and its applications to black-box model-checking. Supervisors: Véronique Bruyère (UMONS) and Guillermo A. Perez (UAntwerpen). F.R.S.-FNRS Research Fellow.
December 2019 – June 2020	**Master's Thesis**, *UMONS*, Belgium. Title: Efficient Learning of Automata and Automata with One Counter. Supervisor: Véronique Bruyère (UMONS). Grade: 19/20.
September 2019 – December 2019	**Internship**, *UAntwerpen*, Belgium. Implementation of an active learning algorithm for Visibly One-Counter Automata. Supervisor: Guillermo A. Perez.
August 2018	**Research initiation internship**, *UMONS*, Belgium. Subject: Efficient algorithms for Nash equilibrium computation. Supervisors: Aline Goeminne, Thomas Brihaye, Véronique Bruyère, and Hadrien Mélot.

Education

2020 – 2024	**Joint PhD in Computer Science**, *UMONS and UAntwerpen*, Belgium.
2018 – 2020	**MSc in Computer Science**, *UMONS*, Belgium, Summa Cum Laude.
2015 – 2018	**BSc in Computer Science**, *UMONS*, Belgium, Magna Cum Laude. Exchange year at University of Montreal, Canada, in 2017.

Publication

[KJLSW20] **Optimization of Answer Set Programs for Consistent Query Answering by Means of First-Order Rewriting**. Aziz Amezian El Khalfioui, Jonathan Joertz, Dorian Labeeuw, Gaëtan Staquet and Jef Wijsen. *29th ACM International Conference on Information and Knowledge Management (CIKM)*, 2020 (ACM Digital Library).

Talks

Where possible, links to the slides and videos can be found on my personal page.

| 2020 | – Optimization of Answer Set Programs for Consistent Query Answering by Means of First-Order Rewriting, *29th ACM Internal Conference Conference on Information and Knowledge Management (CIKM)*, 22th October 2020, Online. |

Attended research events

2020	– 29th ACM Internal Conference Conference on Information and Knowledge Management (CIKM), Online.
	– Eleventh International Symposium on Games, Automata, Logics, and Formal Verification (GandALF), Online.
	– Highlights in Logic, Games, and Automata, Online.
	– MOVEP Summer School, Online.
2019	– Workshop - Theory and Algorithms in Graph and Stochastic Games, UMONS, Belgium.

Teaching

| First semester of academic year 2020 - 2021 | **Challenges in Artificial Intelligence**, *Teaching assistant*, UMONS. Teaching assistant supervising the practical sessions. |
| First semester of academic years 2018 - 2019, and 2019 - 2020 | **Programming and Algorithms I**, *Student teaching assistant*, UMONS. Student teaching assistant supervising the practical sessions (Python 3). |

Second semester of academic years 2018 - 2019, and 2019 - 2020	**Programming and Algorithms II**, *Student teaching assistant*, UMONS. Student teaching assistant supervising the practical sessions (Java 11).
August 2016	**Programming and Algorithms I and II**, *Student tutor*, UMONS. Gave courses to students retaking an exam.

Languages

French (Native speaker), English (B2).

Programming skills

Modern C++, LaTeX, Java, Python, C, Prolog, Clingo ASP.

Miscellaneous

Programming contests	I won the 454th place (out of 5558) in University CodeSprint, and my team won the 43d place in BAPC.
Driving	License B