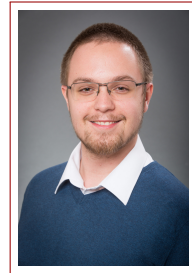


Gaëtan Staquet

*PhD Student in
Theoretical
Computer
Science*

*Bâtiment De Vinci, Avenue Victor Maistriau, 15
7000 Mons, Belgium*

✉ gaetan.staquet@umons.ac.be
🌐 informatique.umons.ac.be/staff/Staquet.Gaetan/
📄 [DocSkellington](#)



Academic CV — Last updated on March 8, 2021.

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

Peer-reviewed conference proceedings

[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 \(CIKM\)](#), 22 October 2020, Online.
- 2021 – L'apprentissage d'automates et ses applications, *Mois du doctorat (a month dedicated to popularization presentations of PhD theses)*, 10 March 2021, Online (UMons).

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