

Gaëtan Staquet

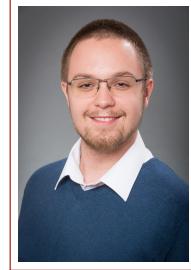
*PhD Student in
Theoretical
Computer
Science*

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DOI [DocSkellington](#)



Academic CV — Last updated on October 20, 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

Peer-reviewed conference proceedings

[KJLSW20] **Optimization of Answer Set Programs for Consistent Query Answering by Means of First-Order Rewriting**. Aziz Amezian El Khalifioui, Jonathan Joertz, Dorian Labeeuw, Gaëtan Staquet and Jef Wijsen. *CIKM 2020*, 2020.

Talks

- 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.
- *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.

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