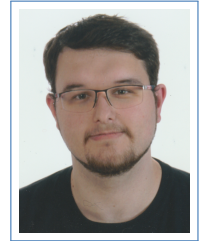


Nicolas Lecomte

Teaching assistant in
Mathematics

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Latest update on September 19, 2022.

Research experience

September 2022 – **PhD thesis, UMONS**

Present Title: Transferring Controllers in Reactive Synthesis.
Supervisors: [Mickael Randour](#) (UMONS) and [Youssef Oualhadj](#) (LACL – UPEC).
Expected duration: six years.

September 2021 – **Master's thesis, UMONS**

August 2022 Title: Distances for stochastic models.
Supervisors: [Mickael Randour](#) (UMONS) and [Youssef Oualhadj](#) (LACL – UPEC).

September 2021 – **Research internship, UMONS**

June 2022 Subject: Continuation of my Master's project about extending window objectives to stochastic games.
Supervisors: [Mickael Randour](#) (UMONS) and [Youssef Oualhadj](#) (LACL – UPEC).

September 2020 – **Master's project, UMONS**

June 2021 Subject: Extending window objectives to stochastic games.
Supervisors: [Mickael Randour](#) (UMONS) and [Youssef Oualhadj](#) (LACL – UPEC).

August 2020 **Research initiation internship, UMONS**

Subject: Prospect theory and game theory.
Supervisors: [Aline Goeminne](#) (INRIA Rennes) and [Thomas Brihaye](#) (UMONS).

Education

2020 – 2022 **Master's degree in Mathematics, UMONS**

With high honours.

2017–2020 **Bachelor's degree in Mathematics, UMONS**

Academic minor in Computer Science. With high honours.

Publications

Extended versions are available on arXiv and are linked on [my website](#).

Research letter

[BBL⁺22] **Cognitive flexibility and attentional patterns among trauma survivors: preliminary evidence from an eye-tracking study.** Wivine Blekic, Nellia Bellaert, Nicolas Lecomte, Kendra Kandana Arachchige, Hadrien Melot, Mandy Rossignol. European Journal of Psychotraumatology, volume 13(1): 2055296, 2022.

Peer-reviewed conference proceedings

[CLW22] **Computing H-Partitions in ASP and Datalog**. Chloé Capon, Nicolas Lecomte, Jef Wijsen. International Conference on Logic Programming 2022 Workshops co-located with the 38th International Conference on Logic Programming (ICLP 2022), CEUR Workshop Proceedings, CEUR-WS.org, volume 3193, 15 pages, 2022.

Talks

The slides of my talks are available on [my website](#).

2022 ASPOCP 2022: 15th Workshop on Answer Set Programming and Other Computing Paradigms, Technion campus, Haifa, Israel.

Teaching

Sept 2022 – **Calculus I**, *Teaching assistant*, UMONS

Present Exercise sessions and for the course on calculus given by Stéphanie Bridoux and Christophe Troestler.

Sept 2022 – **Introduction to numerical analysis**, *Teaching assistant*, UMONS

Present Exercise sessions and project monitoring for the course on numerical analysis given by Christophe Troestler.

Sept 2022 – **Elementary Mathematics**, *Teaching assistant*, UMONS

Present Supervision of exercise sessions.

Sept – Nov 2021 **Elementary Mathematics**, *Student teaching assistant*, UMONS

Supervision of exercise sessions and test grading.

Languages

French (native), English (upper-intermediate), Dutch (lower-intermediate).

IT-related skills

Programming Python, Java, \LaTeX .
languages

Database-related SQL, XML, XSLT, XQuery, Datalog, ASP.
languages

Tools Storm Probabilistic Model Checker, GitHub.