

# Keno Merckx

## Curriculum vitae

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Clos du Québec, 6  
1410 Waterloo, Belgium  
☎ +32 (0)495 27 02 97  
✉ kmerckx 'at' ulb 'dot' ac 'dot' be  
📄 [homepages.ulb.ac.be/kmerckx/](http://homepages.ulb.ac.be/kmerckx/)  
Date and place of birth:  
March 19 1989, Uccle (Belgium)  
Nationality: Belgian



## Education

- 2011 – 2013 **MA.Sc. in Mathematics**, Grande Distinction (Magna Cum Laude), *Université Libre de Bruxelles*, Belgium.  
Master's thesis in the area of combinatorics and geometry.  
Thesis title: "Descriptions linéaires de polytopes associés aux antimatroïdes".
- 2007 – 2011 **BA.Sc. in Mathematics**, *Université Libre de Bruxelles*, Belgium.
- 2001 – 2007 **Secondary school**, *Athénée Royale de Waterloo*, Belgium.

## Experience

- Sept. 2013 – now **PhD in (computer) science**, under the supervision of Jean Cardinal (and Jean-Paul Doignon), *Université Libre de Bruxelles*, Belgium.
- Fall 2012 **Guidances in mathematics for students in medical and bio-medical sciences**, *Université Libre de Bruxelles*, Belgium.
- 2007 – 2012 **Private lessons in mathematics**.
- 2005 – 2007 **Volunteer**, *Les Jeunes Magasins-Oxfam*, Waterloo, Belgium.

## Computer skills

- Compiled Lang.: C, C++, Java, Fortran
- Math. Tools: Mathematica, Matlab, Mosel, Polymake, Processing.
- Markup Lang.: HTML, Tex.
- Office: Latex, Microsoft Office, OpenOffice.
- OS: Linux, MacOS, Windows.
- Scripting Lang.: Bash, JavaScript, Python.

## Teaching assistant: Université Libre de Bruxelles

- INFO-F205 **Calcul formel et numérique.**
- INFO-F209 **Projets d'informatique 2.**
- INFO-F105 **Langages de programmation 1.**
- INFO-F201 **Systèmes d'exploitation.**
- INFO-F101 **Programmation.**
- INFO-F206 **Informatique.**

MATH-F318 **Algèbre II.**

MATH-F108 **Mathématiques.**

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### Talk at conferences

July 2014 **ICGT**, *9th International colloquium on graph theory and combinatorics*, Grenoble, France, Subject of the talk: "Vertex shelling polytopes of split graphs".

August 2015 **BSSM**, *8th Brussels Summer School of Mathematics*, Brussels, Belgium, Subject of the talk: "The complexity of the TETRIS problem".

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### Languages

**French** Native language

**English** Good knowledge

**Dutch** School level

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### Other projects

2014– now Organizer of *the Brussels Summer School of Mathematics*.

2014– now Member of *conseil du Département d'Informatique*.

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### Miscellaneous

**European Driving Licence** Group B

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### Interests

Cinema, reading, poker, old and new technology, computer games.