

Matthias Van der Hallen

Personal data

Nationality: Belgian
Birth: 28/09/1991
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Languages

Dutch: mother tongue
English: fluent
French: good

ICT-skills

Java, Haskell, Prolog,
C++, MATLAB, CSS,
PHP, \LaTeX , Git, various
web technologies

Work Experience

2020–2021 **Postdoc** KU Leuven
As a postdoc, I supported fellow PhD researchers and continued research on an extension of first-order logic for intensional quantifications.

Education

2014–2020 **PhD of Engineering Science** KU Leuven
Under supervision of prof. dr. ir. Gerda Janssens and co-supervision of prof. dr. Marc Denecker of the Declarative Languages and Systems group.
PhD Thesis: *Towards a Higher Level of Abstraction for Knowledge Representation Languages*

2012–2014 **Master of Engineering: Computer Science** KU Leuven
Specialization in Artificial Intelligence
Grade: 79.67% (Magna cum laude)
Master Thesis: *Secure Compilation of ML Modules*

2012–2013 **Additional Credits: Cryptography and Network Security** KU Leuven

2009–2012 **Bachelor of Engineering** KU Leuven
Major / minor: Computer Science / Electrical Engineering
Grade: 70.5% (Cum laude)

2003–2009 **ASO: Latin-Greek** College van het Eucharistisch Hart Essen

Extracurricular activities

2012–2014 **Revue & Culture Team at VTK** Vlaamse Technische Kring Leuven
VTK is the student union of the Engineering Faculty at KU Leuven. It is a non-profit organisation with a yearly turnover of over 1M euro. As producer of the yearly theatre show, I maintained contact with sponsors and served as technical liaison. In 2013, I combined this with membership of the culture team, tasked with organizing smaller activities with cultural aspects, e.g. quizzes and live band concerts.

2012–2020 **Educational representation** KU Leuven
Member of the POC Computer Science (the permanent educational committee), I represented the students in the Bachelor and Master programs of Computer Science at the department level. From 2013 on, I also represented my fellow students in the Faculty Council. Starting 2014, I was a member of the same POC, but as ombudsperson for the students (until 2018) and as representative for my fellow PhD students.

Interests

Professional: Cryptography, Network Security, Complexity Theory, Functional Programming, Artificial Intelligence

Personal: History, Road Cycling, Mountainbike, Running, Reading, Economics and General Science.

Awards & Certifications

ICLP: LP/CP Contest Team based programming competition focused on Logic Programming and Constraint Programming, held at the annual International Conference on Logic Programming.

🏆 2015: 1st place, in Cork, with Ingmar Dasseville and Jo Devriendt.

🏆 2016: 2nd place, in New York, with Ingmar Dasseville and Jo Devriendt.

🏆 2017: 2nd place, online, with Jo Devriendt and Ruben Lapauw.

🏆 2018: 2nd place, Oxford, with Richard Taupe.