

Loïc Van Hoorebeek

Engineer in Applied Mathematics

General Information



loic_cv@loicvh.eu

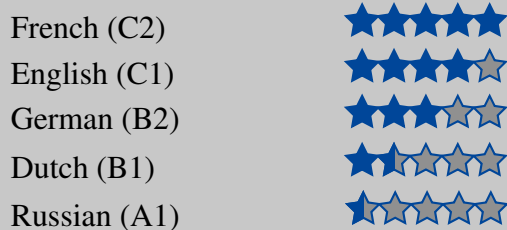


<https://gitlab.com/loicvh>

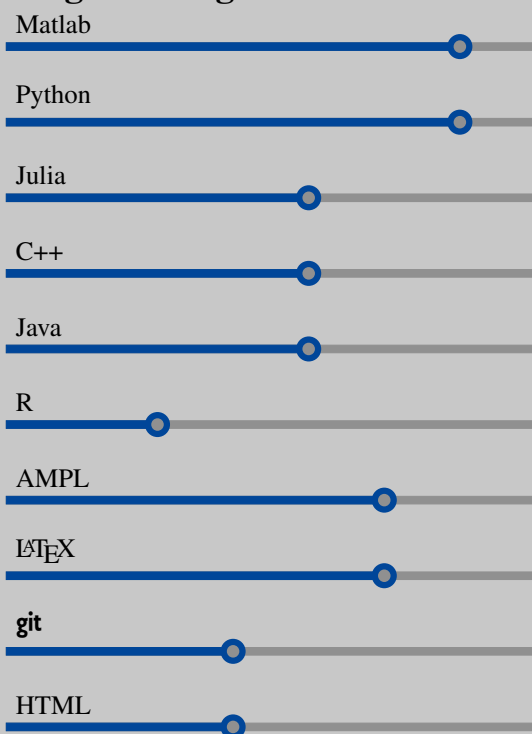


<http://perso.uclouvain.be/loic.vanhoorebeek>

Languages



Programming Skills



Interests

- Music
- Photography
- Reading
- Travelling
- Languages
- Technologies
- Linux
- Open-source software
- Crosswords
- Board Games
- RPI

Last updated on 24 mars 2022

About me

Curious and motivated engineer with a strong technical background, excellent analytical skills, and some critical thinking so as to smoothly solve problems and efficiently communicate on the solutions.



Professional Experiences

Ph.D. Applied Mathematics at UCLouvain 2018–2022
“*Nonconvex and nonsmooth economic dispatch*” under the supervision of P.-A. Absil and Anthony Papavasiliou;
Published 2 journal and 2 refereed conference papers;
Managed one Master’s student and one undergraduate international student;

Open-sourced a quadratic projection solver in Python (`quadproj`);
Selected to present at 7 international conferences;
Participated in the organization of the “Dédrmathisons” symposium.

Teaching Assistant at UCLouvain 2018–2022
Algorithms in data science (lectures and homework);
Statistics and data science (course notes and exercise sessions);
Discrete mathematics and statistics (exercise sessions and tutoring);
Economics (syllabus and exercise sessions).

Volunteer at l’EsPas Pavillion 2020–2021
Provided educational support to students in a homework school.

Mentor at HackYourFuture Belgium 2020–2021
Volunteered to help refugees to find a job after graduation of HYF.

Tutor at UCLouvain 2015–2018
Provided educational support to 1st and 3rd year engineering students in the following fields : physics, chemistry, mathematics and optimization.

Education

Graduate schools 2018, 2019, 2021
ALOP MINLP, SOCN Large-scale optimization, DeepLearn.

Master in Mathematical Engineering 2016–2018
UCLouvain – with great honor.

Erasmus 2017–2018
Karlsruher Institut für Technologie – Electrical Engineering faculty.

Bachelor in Engineering 2013–2016
UCLouvain – Specialisation in electrical engineering and applied mathematics – with great honor.

Leisure Interests

Chief of a scout group 2012–2017
In charge of the entertainment of 36 children from 6 to 11.

Drummer in a band 2010-2015
Creator and member of The Callaways.

Achievements

Belgian finale of the Emergenza festival 2015
Performed as a member of the Callaways on multiple rounds of the festival until the finale at Le Botanique (Orangerie) – Brussels.