

**keywords:** mathematical modelling, process control, computational fluid dynamics, machine learning, optimisation, chemistry, problem solving

## about

9000 Gent  
Belgium

+...

[bram.de.jaegher@gmail.com](mailto:bram.de.jaegher@gmail.com)

[LinkedIn](#)

[Github](#)

Driver's licence: B

## languages

Dutch: native language

English: C2 (CEFR)

French: B1 (CEFR)

## additional skills

Computational fluid dynamics

Mathematical modelling

Machine learning

Control theory

LaTeX

## programming

*Working knowledge*

MATLAB/Simulink

Python 2/3

OpenFOAM (CFD)


*Basic knowledge*

HTML/CSS/JS

C++

R

## education

- |           |  |  |
|-----------|--|--|
| 2014–2016 | <b>M.Sc. summa cum laude</b><br>Bioscience engineering<br><i>Chemistry and bioprocess technology</i> | Ghent University   |
| 2011–2014 | <b>B.Sc. cum laude</b><br>Bioscience engineering<br><i>Chemistry and food technology</i>             | Ghent University  |
| 2005–2011 | <b>GCSE in Math and Sciences</b><br>4.2/5 GPA  | Royal Atheneum Knokke-Heist  |

## experience

- |            |  |   |
|------------|--|---|
| 08-09/2014 | <b>Research internship</b><br>Computer vision techniques for polymer recognition<br>using atomic-force microscopy images | São Carlos Institute of Physics - University of São Paulo |
|------------|--|---|



## scriptions

- |      |   |                  |
|------|---|------------------|
| 2016 | <b>Master thesis</b><br>Spatio temporal modelling of filter cake formation<br>in filtration processes | Ghent University |
| 2014 | <b>Bachelor thesis</b><br>Innovative applications of artificial intelligence<br>in the food industry  | Ghent University |

## voluntary work

- |           |  |              |
|-----------|--|--------------|
| 2009–2014 | <b>Leader youth movement</b><br>102° FOS De Albatros | Knokke-Heist |
|-----------|--|--------------|

## projects

- |      |   |  |
|------|---|--|
| 2016 | <b>Open Weblides</b><br>Open-source platform for interactive presentation slides<br><i>UGent innoversity challenge winner</i> | Ghent University  |
| 2016 | <b>COCOON: communication &amp; co-creation online</b><br>Education innovation projects 2016                                   | Ghent University  |