

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

## about

Abelendreef 21  
8300 Knokke-Heist  
Belgium

bram.de.jaegher@gmail.com  
LinkedIn  
Github

Driving licence: B

## languages

Dutch: native language  
English: C2 (CEFR)  
French: B1 (CEFR)

## additional skills

Computational fluid dynamics  
Classical control theory  
Modern control theory  
Machine learning  
MS office

## programming

*Working knowledge*  
MATLAB/Simulink  
Python 2.7/3  
LaTeX  
R

*Basic knowledge*  
OpenFOAM (CFD)  
HTML5/CSS  
C++

## education

- |           |  |  |
|-----------|--|--|
| 2014–2016 | <b>M.Sc. (In progress)</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 foodtechnology</i>            | Ghent University  |
| 2005–2011 | <b>GCSE in Maths 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>on atomic-force microscopy images | São Carlos Institute of Physics - University of São Paulo |
|------------|---|---|



## scriptions

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

## voluntary work

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

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