# Curriculum Vitae

# Bram De Jaegher

Bioscience engineer

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

## about

Abelendreef 21
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Belgium

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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 | **M.Sc. (In progress)** <br> Bioscience engineering <br> *Chemistry and foodtechnology* | Ghent University |
| 2011-2014 | **B.Sc. cum laude** <br> Bioscience engineering <br> *Chemistry and bioprocess technology* | Ghent University |
| 2005-2011 | **GCSE in Maths and Sciences** <br> 4.2/5 GPA | Royal Atheneum Knokke-Heist |

## experience

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

## scriptions

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

## voluntary work

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|---|---|---|
| 2009-2014 | **Leader youth movement** <br> 102$^e$ FOS De Albatros | Knokke-Heist |

## projects

| | | |
|---|---|---|
| 2016 | **Open Webslides** <br> Open-source platform for interactive presentation slides <br> *UGent innoversity challenge finals* | Ghent University |
| 2016 | **COCOON: communication & co-creation online** <br> Education innovation projects 2016 | Ghent University |