# Curriculum Vitae

# Bram De Jaegher

Bioscience engineer

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

## about

Abelendreef 21
8300 Knokke-Heist
Belgium

+32478568590
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 **M.Sc. (In progress)** — Ghent University
Bioscience engineering
*Chemistry and bioprocess technology*

2011-2014 **B.Sc. cum laude** — Ghent University
Bioscience engineering
*Chemistry and foodtechnology*

2005-2011 **GCSE in Maths and Sciences** — Royal Atheneum Knokke-Heist
4.2/5 GPA

## experience

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

## scriptions

2016 **Master thesis** — Ghent University
Spatio temporal modelling of filter cake formation
in membrane bioreactors

2014 **Bachelor thesis** — Ghent University
Innovative applications of artificial intelligence
in the food industry

## voluntary work

2009-2014 **Leader youth movement** — Knokke-Heist
102$^{e}$ FOS De Albatros

## projects

2016 **Open Webslides** — Ghent University
Open-source platform for interactive presentation slides
*UGent innoversity challenge finals*

2016 **COCOON: communication & co-creation online** — Ghent University
Education innovation projects 2016

References available on request