

Please take a look at my new and interactive CV: bramdejaegher.be/CV.html

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

about

9000 Gent
Belgium

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

experience

01/2017 - ...	PhD candidate Model-based optimisation of design and operation of bioreactors with a focus on gas-liquid mass transfer <i>BIOMATH</i>	Ghent University
09-12/2016	Research assistant Mathematical modelling of filtercake formation and fungal growth <i>BIOMATH/KERMIT</i>	Ghent University
08-09/2014	Research internship Computer vision techniques for polymer recognition using atomic-force microscopy images	University of São Paulo

scriptions

2016	Master thesis Spatio temporal modelling of filtercake formation in filtration processes	Ghent University
2014	Bachelor thesis Innovative applications of artificial intelligence in the food industry	Ghent University

voluntary work

2009–2014	Leader youth movement 102 ^e FOS De Albatros	Knokke-Heist
-----------	--	--------------

Curriculum Vitae

projects

2016	Open Weblides Open-source platform for interactive presentation slides <i>UGent innoversity challenge winner</i>	Ghent University
2016	Dewpal: biocatalysed atmospheric condensation iGem: International Genetically Engineered Machine Competition	MIT, Boston