Curriculum Vitae

Bram De Jaegher

Bioscience engineer

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

experience

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

scriptions

2016	**Master thesis**	Ghent University
	Spatio temporal modelling of filtercake formation in filtration processes	
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 winner

| 2016 | **Dewpal: biocatalysed atmospheric condenstation** | MIT, Boston |

iGem: International Genetically Engineered Machine
Competition