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)** Bioscience engineering *Chemistry and foodtechnology*	Ghent university
2011-2014	**B.Sc. cum laude** Bioscience engineering *Chemistry and Bioproces technology*	Ghent university
2005-2011	**GSCE in Math and Sciences** 4.3/5 GPA	Royal Atheneum Knokke-Heist

experience

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

scriptions

2016	**Master's thesis** Spatio temporal modelling of filter cake formation in membrane bioreactors	Ghent university
2014	**Bachelor's 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

projects

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