Curriculum Vitae

Bram De Jaegher

Bioscience engineer: chemistry and bioprocess technology

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

about

Abelendreef 21
8300 Knokke-Heist
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)** — Ghent university
Bioscience engineering
Chemistry and foodtechnology

2011-2014 **B.Sc. cum laude** — Ghent university
Bioscience engineering
Chemistry and Bioproces technology

2005-2011 **GSCE in Math 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's thesis** — Ghent university
Spatio temporal modelling of filter cake formation
in membrane bioreactors

2014 **Bachelor's 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**
Open-source platform for interactive presentation slides
UGent innoversity challenge finals

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