

Bjarno Oeyen

· PRE-DOCTORAL RESEARCHER IN COMPUTER SCIENCE ·

Lier, België

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Education

Vrije Universiteit Brussel

Brussels, Belgium

PH.D. IN COMPUTER SCIENCE

2018 - Current

- PhD Student working for the Software Languages Lab
- Working with Big Data, Reactive Programming, Programming Language Design...

Vrije Universiteit Brussel

Brussels, Belgium

MASTER IN APPLIED SCIENCES AND ENGINEERING: COMPUTER SCIENCE

2016 - 2018

- Specialization: Software Languages and Software Engineering
- Distinction: Summa cum laude (85%)
- Thesis: "Haai: A Proposal for the Foundations of Reactive Programming and its Applications in Live Reactive Programming"

Vrije Universiteit Brussel

Brussels, Belgium

BACHELOR IN COMPUTER SCIENCE

2013 - 2016

- Distinction: Magna cum laude (83%)
- Thesis: "Extending tierless JavaScript with an HTML Templating System"

Koninklijk Technisch Atheneum Heist-op-den-Berg

Heist-op-den-Berg, Belgium

ASO WETENSCHAPPEN-WISKUNDE (SCIENCE-MATHEMATICS)

2007 - 2013

Academie voor Beeldende en Toegepaste Kunsten Heist-op-den-Berg

Heist-op-den-Berg, Belgium

DIGITALE BEELDENE VORMING

2007 - 2013

- Working with tools like Photoshop, Illustrator

Experience

Software Languages Lab, Vrije Universiteit Brussel

Brussels, Belgium

RESEARCH, ENGINEERING, AND TEACHING

2018 - Current

- Part of PhD Programme (research activities summarized under education)
- TA for Higher-Order Programming (2018-2019)
- TA for Programming Project 1 (2018-2019)

Software Languages Lab, Vrije Universiteit Brussel

Brussels, Belgium

SUMMER JOB, RESEARCH AND ENGINEERING

Summer 2017

- Developing the prototype of a multi agent framework/DSL (on top of Elixir) for distributed machine learning scenarios.
- Part of the SMILE-IT project, a multi-disciplinary project with multiple research labs.

Driving School Sanderus

Mechelen, Belgium

SUMMER JOB, WEBDESIGN

Summer 2013

- Designing of individual pages on their new site, as well as developing an interactive registration form using HTML, CSS and PHP.

Publications

AS FIRST AUTHOR

Composable Higher-Order Reactors as the Basis for a Live Reactive Programming Environment 2018

BJARNO OEYEN, HUMBERTO RODRIGUEZ-AVILA, SAM VAN DEN VONDER, WOLFGANG DE MEUTER

In *Proceedings of the 5th ACM SIGPLAN International Workshop on Reactive and Event-Based Languages and Systems (RELS '18)*

<https://doi.org/10.1145/3281278.3281284>

OTHER PUBLICATIONS

Marlon - A Domain-Specific Language for Multi-Agent Reinforcement Learning on Networks 2019

TIM MOLDEREZ, BJARNO OEYEN, COEN DE ROOVER, WOLFGANG DE MEUTER

For the *The 34th ACM/SIGAPP Symposium On Applied Computing*

A Domain-Specific Language for Multi-Agent Reinforcement Learning in Distributed Systems 2018

TIM MOLDEREZ, BJARNO OEYEN, WOLFGANG DE MEUTER

For the *Benelux Conference on Artificial Intelligence*

Awards

2018 **First place**, Cyber Security Challenge Belgium - Finals

Brussels, België