



Ingmar Dasseville

Computer Scientist with a passion for compilers, algorithms and the impossible

CONTACT ME

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Belgium

English (Proficient)
Dutch (Native)
French (Basic)

Driving License: B

EDUCATION

Doctor of Engineering: Computer Science

KU Leuven | Leuven, BE

2013 - 2019

Includes 1.5 years of non-research industry application development

Thesis: *Higher order modelling for first order solvers*

Master of Engineering: Computer Science

KU Leuven | Leuven, BE

2011 - 2013

Includes 1 semester at NTNU | Trondheim, Norway

Specialisation: *Artificial Intelligence*

Thesis: *Evolutionary Music composition*

Bachelor of Informatics

KU Leuven

2008 - 2011

Minor: *Mathematics*

WORK EXPERIENCE

Scalable Planning, OMP (Wommelgem, BE)

Senior Researcher

2024 - ...

OMP specializes in supply chain optimisation. In the Scalable Planning research team, we work on tackling the scaling issues that come along with supporting more complex supply chains: more products, more plants, and tighter feedback loops.

In my role as senior researcher, I help set out the long-term technical roadmap as well as perform proof of concept-development to foresee possible roadblocks.

DexGuard Team, Guardsquare (Leuven, BE)

DexGuard Product Owner

2023 - 2024

DexGuard Team Lead/Group Lead

2020 - 2023

DexGuard Compiler Engineer

2019 - 2020

DexGuard is a Java-based tool that obfuscates Android applications. DexGuard (re)compiles an already binary app into a new binary that is much harder to reverse engineer.

I started out as an individual contributor. As the company grew, I've had the opportunity to grow and develop my leadership skills, ultimately taking on the challenge of leading multiple development teams (from 8 developers in 1 team, to 25 developers over 3 teams). This was a combination of technical and people leadership. I also took DevRel initiatives, gave presentations and organised workshops. Over my last year at Guardsquare, I focused mostly on technical leadership as the Product Owner, while ensuring technical soundness of the whole product.

Pianist + Trainer for Improvisational Theatre

Freelance / Secondary Occupation

2016 - ...

Playing around 50 shows per year with many different organisations. This includes cultural, educational and corporate shows. I also give trainings and coachings, mainly focused on improvising songs.

DTAI Research Unit, KU Leuven (Leuven)

Doctoral Student + Assistant

2013 - 2019

PhD in *Knowledge Representation and Reasoning* where a declarative model allows for solving multiple problems in that domain. The focus was on improving the modelling languages and developing use cases for interactive configuration problems (still under development at <https://www.idp-z3.be/Interactive-Consultant/>). From a technical perspective this exposed me to C++, (modelling) language design and compilation techniques.

The PhD duration was extended to collaborate together with industry partners such as Saint Gobain.

HOBBIES

Lorem Ipsum

CTF-team rated #1 in Belgium in

2021-2024 on ctftime.org

I specialise in reversing + crypto

Escape Rooming

>100 rooms played, both competitively and non-competitively

SDK(ULAK) / Vandam Plastic

Competitive Programming team with

high rankings in the *Vlaamse*

Programmeerwedstrijd. (#3 in 2023 and 2024)

Commotie

Founder of a musical improvisation theatre troupe, 2 times winner of the *Kemphanen* contest for best Flemish improvised longform.