Wouter Termont

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✉ Residentie Beatrijs, 3300 Tienen

About me

A philosopher and computer scientist with a big love for formal structures, semantics, and open source.

I am

⁑ independent   ⁑ critical thinker
⁑ analytical   ⁑ fast learner
⁑ adaptive   ⁑ problem solver

I speak

NL ●●●●   EN ●●●○   FR ●●○○

I can do

>_ Scripting & Programming

`JavaScript` `TypeScript` `Rust`
`Java` `Scala` `Haskell` `Prolog`
`Bash` `Git(Hub)`

🌐 Web development

`HTML` `CSS` `Web Comp.` `REST` `DNS`
`OAuth` `OpenID` `UMA` `GNAP`

Data Markup, Modeling & Querying

`JSON` `RDF(S)` `OWL` `UML` `C4`
`SQL` `SPARQL`

••• Other skills

`Academic writing` `Formal logic`
`Domain modeling` `Standardization`

Profile & goals

As a **Linked Data expert**, I'm engaged in research into the **Semantic Web** and the **Solid** ecosystem. Particular interest goes to **domain modeling** (ontology engineering), and **standards development**. I have a background in analytic philosophy and computer science, and am a strong problem solver and critical thinker, who quickly and independently learns new toolchains, frameworks, domains etc. I value clean and elegant solutions, **open source** mentality, societal relevance, and respect for the innate humanity in each of us.

Professional experience

sep '23 – present	**Senior Researcher**	imec

As part of [IDLab](#)'s [KNoWS](#) group, I do research on

- interoperable mechanisms for **access & usage control**;
- integration of different approaches to **trust & identity**;
- linked data languages for **reasoning & proof exchange**.

jan '21 – apr '23	**Linked Data Engineer**	Digita BV

I helped advance the World Wide Web towards a *personal data web* built on the **Solid** specification started by Tim Berners-Lee.

- As **lead engineer**, I directed multiple projects:
  - [Handlers.js](#), an **opensource** *chain of responsibility* library;
  - NGI (EU Horizon 2020) **research** on [component](#) [reuse](#);
  - Solid **prototypes** with industry partners & governements.
- As **software architect**, I designed Solid platform [use.id](#).
- As **team leader**, I managed **6** developers, balancing business requirements, technical constraints & **code quality**.
- As **web standards architect**, I researched authentication, authorization, & interoperability for the [W3C Solid CG](#).

okt '18 – dec '20	**PhD grantee in Philosophy ([logicalgeometry.org](#))**	KU Leuven

For a digital humanities project on logical diagrams,

- I implemented a **REST API** & UI for a **graph database** in `Scala`;
- I designed **semantic models** in `UML`, `RDF(S)` and `OWL`, in close collaboration with domain experts.

Extra-curricular

2021 – …	**W3C Solid CG Participant**	W3C
2015 – '20	**Student assoc., education council & faculty board**	KU Leuven

Education

2017 – '18	**MSc Artificial Intelligence** (*cum laude*, GPA 3.20)	KU Leuven
2015 – '17	**MA Philosophy** (*summa cum laude*, GPA 3.87)	KU Leuven
2011 – '15	**BSc Computer Science** (*cum fructu*, GPA 2.5)	Ghent University