Dylan Van Assche

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 DylanVanAssche

Education

2019 –	**PhD student**, *IDLab*, Ghent.
2018 – 2019	**Master in Industrial engineering: electronics-ICT**, *De Nayer (KU Leuven)*, Sint-Katelijne-Waver.
	Summa cum laude, higher education (master ICT)
2015 – 2018	**Bachelor in Industrial engineering: electronics-ICT**, *De Nayer (KU Leuven)*, Sint-Katelijne-Waver.
	Cum laude, higher education (bachelor)
2009 – 2015	**Mathematics-Science**, *Het Atheneum*, Vilvoorde.
	Secondary school

Master thesis

Title	*Publiceren van updates over openbaarsvervoersdata*
Supervisors	Pieter Colpaert & Ann Philips

Experience

Vocational

2019	**Student coach & back-end developer**, *Open Knowledge Belgium*, Brussels.
	Predicting train delays to help travelers to plan their future trips for Infrabel (open Summer of code 2019).
2018	**Software engineer**, *IDLab*, Ghent.
	Creating a footpath routing prototype using the Connection Scan Algorithm for the Open Planner Team.
2018	**Student coach & back-end developer**, *Open Knowledge Belgium*, Brussels.
	Helping Flemish cities to publish their data as Linked Open Data through the Smart Flanders program (open Summer of code 2018).
2017 –	**Webmaster**, *MSC De Pijl vzw*, Vilvoorde.
	Building and maintaining the new website for MSC De Pijl vzw.
2017 – 2018	**Software engineer**, *KU Leuven*, Sint-Katelijne-Waver.
	Building an autonomous drone for the Dassault UAV Challenge (bachelor thesis).
2017	**Hardware developer**, *Open Knowledge Belgium*, Brussels.
	Creating a solar powered bird watcher for Digipolis Ghent (open Summer of code 2017).

Miscellaneous

2013 – 2016	**Food service worker**, *OCMW Vilvoorde*, Vilvoorde.
	Preparation and service of food and drinks to the residents (student job).

Extracurricular activities

2016 – 2019	**Student representative**, *KU Leuven*, Sint-Katelijne-Waver.
	Representing the students during the Education Committee.

Skills

Reverse engineering	HTTPS API analysis
App development	ANSI C, Qt C++ & QML, Java, OpenGL, OpenCL, OpenCV
SOC development	Arduino, VHDL, Assembly, Siemens PLC's
PCB development	Eagle PCB, KiCAD
Web development	HTML, CSS, Python, PHP, JEE, XML, Vanilla Javascript, NodeJS, AJAX, Oracle SQL, Linked Open Data
Testing & QA	Gitlab CI, CircleCI, Travis CI, Python unittests and coverage, QTest
Documentation	LaTeX, Markdown, Pydocs
Operating systems	Sailfish OS, Ubuntu, OpenSUSE Leap, Windows XP, 7, 10 & Server 2012

Languages

Dutch	mother tongue
English	business level
French	beginner level

Work ethics

- Team player
- Independent
- Thinking outside the box