

# Dylan Van Assche

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📍 DylanVanAssche

## Education

- 2018– **Master in Industrial engineering: electronics-ICT**, *De Nayer (KU Leuven)*, Sint-Katelijne-Waver.  
Higher education (master ICT)
- 2015–2018 **Bachelor in Industrial engineering: electronics-ICT**, *De Nayer (KU Leuven)*, Sint-Katelijne-Waver.  
Higher education (bachelor)
- 2009–2015 **Mathematics-Science**, *Het Atheneum*, Vilvoorde.  
Secondary school

## Experience

### Vocational

- 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).
- 2017–2018 **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– **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