

# Dylan Van Assche

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## Education

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

## Experience

### Vocational

- 2016– **Student representative**, *KU Leuven*, Sint-Katelijne-Waver.  
Representing the students during the Education Committee.
- 2017 **Hardware developer**, *Open Knowledge Belgium*, Brussels.  
Creating a solar powered bird watcher for Digipolis Ghent (open Summer of code 2017).
- 2017–2018 **Software engineer**, *KU Leuven*, Sint-Katelijne-Waver.  
Building an autonomous drone for the Dassault UAV Challenge (bachelor thesis).
- 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).
- 2018 **Software engineer**, *IDLab*, Gent.  
Creating a footpath routing prototype using the Connection Scan Algorithm for the Open Planner Team.

### Miscellaneous

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

## Skills

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

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## Languages

Dutch mother tongue  
English business level  
French beginner level

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## Work ethics

- Team player
- Independent
- Thinking outside the box