

Gilles Vandewiele **Data Scientist** 



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Ghent, Belgium



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# about

Gilles was originally born in the most beautiful city of Belgium, but had to migrate to Ghent in order to obtain a university degree. In 2016, Gilles Vandewiele graduated magna cum laude as a computer science engineer at Ghent University. Later that year, he joined the Internet and Data Science Lab (IDLab) research group as a Ph.D. Researcher. Currently, he is finishing his dissertation on the application of machine learning in critical domains.

If you cannot find Gilles sitting behind his desk, he is most likely doing a code golf in Python, competing in a data science competition or out playing football with friends or colleagues.

## socials



linkedin.com/in/gillesvandewiele



@Gillesvdwiele



gillesvandewiele.medium.com

# digital CV



#### education

2021

Ph.D. Computer Science Engineering

"Explainable Data Mining for Critical Domains Based on Complex Data Structures"

2016

M.Sc. Computer Science Engineering magna cum laude

2015

B.Sc. Computer Science

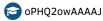
2011

Finished High School

# selected publications



Gilles\_Vandewiele



2020 Overly optimistic prediction results on imbalanced data: a

case study of flaws and benefits when applying over-sampling

G. Vandewiele, I. Dehaene, G. Kovács, . . ., T. Demeester

Artificial Intelligence in Medicine

2020 Tslearn, a machine learning toolkit for time series data

> R. Tavenard, J. Faouzi, G. Vandewiele, . . ., E. Woods Journal of Machine Learning Research

2018 A decision support system to follow up and diagnose primary

headache patients using semantically enriched data

G. Vandewiele, F. De Backere, K. Lannoye, . . ., F. De Turck **BMC** Medical Informatics and Decision Making

### awards & grants



2020 Kaggle: University of Liverpool - Ion Switching

third prize. 3/2618

2020 Kaggle: OpenVaccine - COVID-19 mRNA Vaccine Degradation Prediction

fourth prize. 4/1636

2019 DrivenData: Sustainable Industry - Rinse Over Run

first round winners. 1/1217

2016 Ph.D. Grant (Fonds Wetenschappelijk Onderzoek)

21% acceptance rate

### open source & projects



G Gilles Vandewiele

tslearn A machine learning toolkit dedicated to time-series data.

pyRDF2Vec Python implementation and extension of RDF2Vec.

**GENDIS** A genetic algorithm that extracts shapelets for time series classification.

### competences

Leadership

**Problem Solving** Kaggle "Competition Master" (Top rank: 137/150.000).

Top finish in DS competitions of different domains.

Communication Wrote multiple blog posts and academic papers.

Kaggle "Discussion Master" (Top rank: 11/170.000).

Supervised internships, bachelor projects & master theses.

Presented at multiple conferences.

Teamwork Co-author of international and inter-disciplinary papers.

Top team finishes in data science competitions.

Contributor to popular repositories.

Play-maker positions on the football pitch.

Monitor in youth movement.