

dr. ir. Gilles Vandewiele  
Co-founder Optioryx



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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. After completing a PhD in Artificial Intelligence in 2021, Gilles co-founded Optioryx, which helps companies cut down their costs and CO2 emissions using AI technologies.

## 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

## experience

- Collective[i] Freelance Data Scientist. February 2021 - July 2021
- Ghent Uni. Postdoctoral researcher. August 2021 - August 2022
- Optioryx Co-Founder. January 2022 - current

## selected publications



Gilles\_Vandewiele



oPHQ2owAAAAJ

- 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 Tslern, a machine learning toolkit for time series data  
R. Tavenard, J. Faouzi, G. Vandewiele, . . . , E. Woods  
Journal of Machine Learning Research

## awards



group16

- 2021 Kaggle: Google Brain - Ventilator Pressure Prediction  
first prize. 1/2605
- 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

## open source & projects



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- 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

- Problem Solving Kaggle "Competition Master" (Top rank: 73/150.000).  
Top finish in DS competitions of different domains.
- Communication Wrote multiple blog posts and academic papers.  
Kaggle "Discussion Master" (Top rank: 11/170.000).
- 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.
- Leadership Supervised internships, bachelor projects & master theses.  
Monitor in youth movement.