



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



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 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



group16

- 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



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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: 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).
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.
- Leadership Supervised internships, bachelor projects & master theses.
Monitor in youth movement.