ELIA VAN WOLPUTTE

PERSONALIA

Born in Belgium, 1991

residency	*Ghent*, BELGIUM
e-mail	[firstname][dot]vw[at]gmail[dot]com
website	eliavw.github.io/personal-site

EMPLOYMENT

PhD. Student

2016-now KU Leuven, Belgium

Dept. Computer Science · Faculty of Engineering Science
Project: *MERCS: Modeling big data with multi-directional ensembles of decision trees*
Promotor: Prof. H. BLOCKEEL

EDUCATION

Master of Artificial Intelligence

2015-2016 KU Leuven, Belgium

Magna Cum Laude · Faculty of Engineering Science
Thesis: *Development of a Brain-Computer Interface using C-VEP and Beamforming*
Promotor: Prof. M. VAN HULLE

Master of Science in Physics & Astronomy

2012-2015 Ghent University, Belgium

Magna Cum Laude · Faculty of Sciences
Thesis: *An introduction to the five-dimensional black hole in string theory*
Promotor: Prof. H. VERSCHELDE

SKILLS

Computer skills

REGULAR USE · Python, Java
EXPERIENCE · C++, Matlab, Julia, Latex, Bash, Prolog, · · ·

Languages

NATIVE · Dutch
ADVANCED · English, Spanish
BASIC · French

KEY PUBLICATIONS

Journal articles

Wittevrongel B., Van Wolputte E., Van Hulle M. (2017). *Code-modulated visual evoked potentials using fast stimulus presentation and spatiotemporal beamformer decoding.* Scientific Reports, 7, art.nr. 15037.

Conference papers

Van Wolputte E., Korneva E., Blockeel H. (2018). *MERCS: Multi-directional Ensembles of Regression and Classification Trees.* Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-18).

Dewitte, T., Meert, W., Van Wolputte, E., Van Trappen, P. (2019). *Anomaly Detection for CERN Beam Transfer Installations Using Machine Learning.* Proceedings of the 17th Conference on Accelerator and Large Experimental Control Systems (ICALEPCS 2019).

MISCELLANEOUS

Academic Activities

Throughout my PhD, I was heavily involved in educational activities. Each year, I was a teaching assistant (TA) for two courses, which meant teaching exercise sessions and managing a take-home project for 100+ students. Moreover, I was the Master thesis supervisor for ten students, two of which produced an award-winning dissertation.

Scientific Outreach

I was invited as project leader at the 2019 Summer School of Science (S3) in Croatia. S3 is an international, 10-day summer workshop for high school students (ages 15-17). I guided 4 students through a scientific project that I prepared: converting a regular RC-car into a miniature self-driving car capable of autonomously completing a circuit.