

Aurélien Werenne

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Education

University of Liège <i>Master of Computer Science and Engineering, focus on Intelligent Systems</i>	Liège, Belgium 2016–2019
Universidade de São Paulo <i>Exchange Semester</i>	São Paulo, Brazil 2018
University of Liège <i>Bachelor of Science in Engineering</i>	Liège, Belgium 2012–2016

Projects

Master Thesis : Energy-based Multi-Modal Attention

In realistic situations, multi-modal neural networks potentially receive input data with varying levels of perturbations among the modes, which may decrease the quality of the inference process. This thesis presents an innovative solution to this unsolved problem, obtaining promising results. More details can be found on my Github profile (see header). Honors : *summa cum laude*.

Personal Project : Unknown environment mapping with two robots

In this work, I constructed two robots cooperating for the exploration of unknown environments. In particular, the objective is to map each environment as fast as possible. A demonstration video is available on my portfolio website (see header).

Experience

ID Trust Medical <i>Software Engineer intern</i> Designing and implementing new processes in order to improve time efficiency.	Leuven, Belgium 2017
Infinia <i>Software Developer (freelance)</i> Development of a risk profiling system in the area of life insurances, where the system determines the investment profile of a client based on its answers to a list of questions.	Brussels, Belgium 2016

Skills

Programming skills: Python, C, C++, Matlab, SQL and Java

General expertise: Deep Learning, Machine Learning, Probabilistic Programming (work in progress), Statistics, Artificial Intelligence and Robotics

Languages

English: Full professional proficiency

French: Native proficiency

Dutch: Native proficiency

Portuguese: Elementary proficiency