

Aurelien Werenne

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Education

University of Liège <i>Master of Computer Science and Engineering, with 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 (honors : *summa cum laude*)

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, and has obtained promising results. The report and code can be found on my Github profile (see header).

Personal Project : Unknown environment mapping with two robots

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

Experience

ID Trust Medical <i>Production Engineer (intern)</i> Refine and automate processes in order to optimize the production flow.	Leuven, Belgium 2017
Erasmus Student Network <i>Event Coordinator (volunteer)</i> Organizing cultural trips, parties and conversation tables for exchange students (± 900 per year) visiting our university.	Liège, Belgium 2016-2017
Infinia <i>Software Developer (freelancer)</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 calibrated questions.	Brussels, Belgium 2016

Skills

Programming skills: Python, C, C++, Java (In progress), Matlab and SQL.

General expertise: Robotics, Algorithms, Deep Learning, Machine Learning and Artificial Intelligence.

Languages

English: Full professional proficiency
French: Native proficiency
Dutch: Native proficiency
Portuguese: Elementary proficiency