



Fabio Barbero

Resumé

Problem Solver with experience in Data Science and Artificial Intelligence, aiming to help build a more sustainable future.

+32496345662
me@fabio Barbero.eu
fabio Barbero.eu
fabio-barbero
fbarbe00

Education

Bachelor in Data Science and Artificial Intelligence, Maastricht University, Maastricht, *Honours Student (Cum Laude)*. 2018–2021
Erasmus exchange, IT University of Copenhagen, Copenhagen. 2020–2021
European Baccalaureate, European School of Brussels 1, Brussels, 89.36/100. 2011–2018

Experience

Research

Research Student, Maastricht University, Developed a data-driven framework in Python to simulate maritime ports and their agents [2]. 2019–2020

Work

Software Developer, Odo. 2021–current
Student Ambassador, Maastricht University. 2019–2021
Internship, Seed Factory, Website development, web communication. 2016

Associations

MSV Incognito, Head of Educational Committee. 2019–2020
Comité des Elèves EEB1, Head of IT Committee. 2016–2018

Projects

Bachelor Thesis, Digital Ludeme Project, Agents for Fast Game Evaluation. 2020–2021
Pyseidon - Maritime Port Simulation Framework. 2019–2021
Mathematical Simulation of the Solar System, Maastricht University. 2019
Graph Colouring, Maastricht University. 2018–2019

Competitions

Google Hashcode, online, Second place in Maastricht Hub. 2021
Google Hashcode, online, First place in Maastricht Hub. 2020
LJE Belgium (Young Entrepreneurs), Brussels, Launched a 'Social box' startup for phones to make reunions more sociable. 2017
European Schools Science Symposium, European School of Brussels 1, Luxembourg, Second place with LaciCloud, an FTP-based cloud service.. 2017

Languages

Italian: Mother tongue	<i>Full proficiency</i>
French: Mother tongue	<i>Full proficiency</i>
English: C2	<i>Professional working proficiency</i>
Spanish: B2	<i>Listening: C1, Reading: C1, Speaking: B2, Writing: B1</i>
Dutch: A1	<i>Introductory University Course</i>
Danish: A1	<i>Introductory University Course</i>

Computer skills

Proficient

Java: swing
Python: Pandas, NumPy, SciPy, Sci-kit, Matplotlib, seaborn
Office: Office/LibreOffice suite, \LaTeX , HTML, Markdown

Familiar

C/C++: parallelisation, optimisation **R:** differential privacy, visualisation
Bash: scripting **SQL:** MySQL, SQLite, MongoDB
JavaScript: JQuery **Julia:** mathematical programming
Matlab/Octave: vectorisation **PHP:** server setup

Interests

Music: Completed 10 years of classical piano, 5 of jazz piano, 5 of alto and barytone saxophone and played in multiple orchestras and bands. Lucky enough to have perfect pitch.
Open Source: Active participation in events such as FOSDEM and advocating for software freedom.
Healthy lifestyle: Meditate and do Yoga daily. Ran 21km in the 2021 Batavieren (running) race, 20km of Brussels 2021.

References

Professional and academic references available upon request

Publications

- [1] Cameron Browne and Fabio Barbero. Heuristic sampling for fast plausible playouts. *IEEE CoG*, 2021.
- [2] Paulius Skaisgiris, Walter Simoncini, Fabio Barbero, Amir Ahangi, and Rico Mockel. Pyseidon - a maritime port simulation framework. *ICCMS*, 2021.

Note

More updated information can be found on my website, <https://fabio Barbero.eu>