Dipl.Ing. Gert Mathyssen
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Personal profile

Freelance Engineer / Data Scientist with a pasion for machine learning.
Passionate about entrepreneurship, loves to work/interact with people and likes to work in an innovative and game-changing environment.

Experience

Feb. '15 – present	**Freelance Data Scientist / Machine Learning Engineer** (self-employed)
Oct. '11 – present	**Making feasibility studies for use renewables in new buildings** (self-employed)
Sept. '11 – Dec. '14	**Project engineer HVAC, Cenergie** Tasks: design of HVAC systems, making of tender files, giving advice to architects and builders, …
Jan. '11 – June '11	**Project engineer HVAC, Gebotec**
Feb. '09 – Sept. '12	**EPC certification** (self-employed, 155 audits)

Education

Sept. '09 – Sept. '10	**Master of Science, Electromechanical Engineering** Artesis Hogeschool, Antwerpen Internship: Continental Energy Systems (CHP manufacturer) Thesis: 'Study of heat pump-CHP pilot project'
Sept. '08 – June '09	**Bachelor of Science, Electromechanical Engineering** Artesis Hogeschool, Antwerpen Thesis: 'The design of an off-grid PV system'
Sept. '05 – June '08	**Bachelor of Science, Industrial Sales Engineer** Plantijn Hogeschool, Boom Internship: Egemin Thesis: 'Drawing up guidelines for selection of new automation projects'

Additional:

Feb. '17	Apache Spark with Python, Udemy
Oct. '16	Machine Learning by Andew Ng, Coursera
Sep. '16 - Oct. '16	Data Science and Machine Learning with Python, Udemy
Mar. '11	Energy-efficient lighting with Lighting Management, Trilux

| Nov. '09 - Feb. '09 | Energie expert type A, Syntra Turnhout, Belgium |
| Feb. '08 - Mar. '08 | Photovoltaic systems, Syntra Kortrijk, Belgium |

Computer skills

MS Office:	Very good
AutoCAD:	Very good
Autodesk Inventor:	Good
Dialux:	Good

Languages:
Python:	Good
CSS:	Basic
HTML 5:	Basic
Javascript:	Basic

Other:
Git:	Good
Pandas:	Good
Scikit-learn:	Good
Tensorflow:	Good
Apache Spark:	Basic
Matplotlib:	Good
Seaborn:	Good
Bokeh (server):	Good
Jupyter notebook:	Good
OpenCV:	Basic
SQL:	Basic
Django:	Basic

Language skills

Dutch:	Basic[o]Native
English:	Basic[o]Native
German:	Basic[o]Native (improving, course and language tandem)
French:	Basic[o]Native

Activities and interests

- Technology and science
- Traveling, in particular South America
- Finance and investing