

Dipl.Ing. Gert Mathysen
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Personal profile

Freelance Engineer / Data Scientist with a passion 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 Andrew Ng, Coursera
- Sep. '16 - Oct. '16 Data Science and Machine Learning with Python, Udemy
- Mar. '15 - May '15 Learn Python the Hard Way, Zed Shaw

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:

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

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

References

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