

# Data Science Engineer

*Yazzoom is a high-tech company based in Ghent, Belgium, that offers software and advanced analytics services for improving company processes by means of data processing. We are looking for a candidate (Master or PhD in pure or applied computer science/informatics, mathematics or physics) with strong programming skills and deep knowledge of machine learning and data science. Experience with real-world data sets is a must and broad software development skills are a plus. The job comprises algorithm development, software development and data modeling in various fields and on all kinds of data (structured & unstructured data, texts...), but also contact with customers. The main location for this job is Ghent. We are ideally located next to the E40 motorway and close to the main train station. Some projects require short national or international travel so a driving license is required. Candidates must be fluent in English. Knowledge of Dutch, French and/or German are a plus.*

## Who are we?

Yazzoom ([www.yazzoom.com](http://www.yazzoom.com)) is a seven-year-old Ghent-based high-tech company that offers AI-based software products, custom algorithmic software development and data science R&D services to a broad range of companies and organizations. We have top expertise in algorithmic software development and in particular in artificial intelligence, predictive and prescriptive analytics and optimization algorithms - both building on big data technologies and on classical structured data storage such as relational databases.

We also have two own software products in the market that we continue to develop further:

- a tool suite for virtual sensor creation, deployment and monitoring called Yasense
- a software platform for anomaly detection on machine generated data (timeseries and log files) called Yanomaly (<https://www.machine-analytics.com>).

In earlier projects, we have for example developed software for:

- AI-based biometric signature verification for a mobile payment platform
- Automatic sorting of onions based on computer vision and AI
- Processing of 3D and thermal images for various applications
- Predictive modelling of prices of second-hand cars using AI
- Predictive modelling of failures in production processes using AI
- Optimizing and controlling in real-time the use of Combined Heat and Power (CHP) plants based on predictions of the evolution of electricity prices to help maintain the balance on the electric grid
- Detecting anomalies in batch chemical processes, discrete manufacturing and CHP plants using unsupervised AI algorithms

Our colleagues are motivated and flexible high-tech professionals that can further develop their knowledge and skills working on projects for different companies in a variety of industry segments.

The past 7 years we have proven to deliver a large added value for our customers. We are now ready for a rapid expansion and internationalization and are looking for new colleagues that want to grow together with us.

## The job

In this job, you will have a broad set of algorithm and software development and advanced analytics tasks:

- Co-invent, design and implement algorithms for data processing.
- Development of computer models and performing predictive and prescriptive data analytics for various applications and on different types of data (both structured and unstructured).
- Integrate these algorithms and/or models in the operational flow of the customer, train the users and give support.
- Optional: for certain projects, project management and managing the project team.

## Your profile

- You have a master or PhD in pure or applied computer science/informatics, mathematics or physics.
- You have knowledge of and experience with data mining and machine learning.
- You are strong in algorithm design, software development and software design patterns.
- A driving license type B is a plus, as is the flexibility to do occasional travel to our customers in Belgium and internationally.
- You like a job with a lot of variation: next to the theoretical – scientific side of the job, you also like to learn new technologies, software libraries and frameworks and apply them to solve real-world problems.
- You have a strong analytical mindset and are able to understand and solve technical problems quickly: you are a creative problem solver.
- You can build a relationship of trust with the customer.
- You communicate fluently in English both orally and in writing. A good knowledge of Dutch is a big plus. Knowledge of French and/or German is a plus.
- Knowledge of and experience with Python (and Numpy, SciPy, Scikit-learn) is a must. Experience with any of the following technologies is a big plus: C#/.Net, Javascript, Flask, nginx, Kafka, Elasticsearch, AngularJS, Docker and Docker-Compose.

## Our offer

- Yazzoom is an innovative high-tech software and engineering company that helps its customers to push the boundaries of what is possible in terms of data analysis and machine learning. With us, you enter a world of constant innovation.
- We provide a thorough training and, where appropriate, supervision by experienced engineers. In this job, you will never get bored. This is a job with a lot of variety. We offer you the opportunity to grow with the company.

- We promote communication and permanent learning in an informal, constructive, and no-nonsense corporate culture. Your colleagues are top notch and up to speed with the latest technological trends and so you can learn with and from them.
- With us no rigid organizational structures and decision-making processes, but direct access to the company management, and flexible working hours.
- We give a lot of confidence to our employees, and expect them to use it wisely. Therefore, we greatly appreciate taking initiative, passion for the work without neglecting the rest of your life, intelligence, teamwork and integrity.
- We work focused but we also take time to celebrate success and have fun.
- Your motivation, initiative and dedication are rewarded with a competitive remuneration package, with extras such as a company car or free public transport, a wage bonus, contributions to your retirement fund, a large training budget and an attractive travel allowance.

## Location

The main location and base for this job is our office in Sint-Denijs-Westrem near Ghent. About 10 minutes from the Sint-Pieters train station by tram or by bike, and a few minutes from the E40 motorway.

Occasional travel to our customers is required. Usually one-day visits, but sometimes several days in a row.

## Interested?

Call me now for more information or email your resume with a short motivation to:

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