

# 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 engineering, computer science/informatics, mathematics or physics) with strong programming skills (Python, C/C++,...) 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 and project management. 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 six-years-old Ghent-based high-tech company that offers software products, custom software development and 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. We also have two own software products in the market that we continue to develop further: 1) a tool suite for virtual sensor creation, deployment and monitoring, and 2) a Big Data software platform for numerical machine data and text log file analytics.

Yazzoom recently won in the digital innovation tour contest at M+R/Maintenance and the Hackaton at Agfa.

Yazzoom is partner in the European research and development projects Reflexion and iDev40. Our role in these projects is amongst others to develop our own software for multivariate anomaly detection and root cause analysis on real world machine data, both textual and numeric logs.

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

- A context-dependent “recommender engine” for a Big Data platform
- Biometric signature verification for a mobile payment platform
- Automatic sorting of onions based on computer vision
- Fraud detection in various domains
- Processing of 3D and thermal images for various applications
- Predictive modelling of prices of second hand cars

- Predictive modelling of failures in production processes
- Computer vision combined with supervisory control for real-time production control adjustments based on automatic quality and throughput inspection

Our colleagues are motivated and flexible high-tech professionals that can further develop their knowledge and skills in projects for different companies in a variety of industry segments. The past 6 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 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.
- For certain projects also project management and managing the project team.

## Your profile

- You have a master or PhD in engineering, computer science/informatics, mathematics or physics.
- You have knowledge off and experience with data mining and machine learning.
- You are strong in algorithm design, software development and software design patterns.
- You own a driving license type B and are flexible 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 and have strong interpersonal skills.
- 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 at Python is a big plus. Knowledge of C / C ++ or C# / .NET or Java or JavaScript is a plus.
- Experience in one of the following areas is not necessary but a plus: Business Intelligence, Big Data, Natural Language Processing, statistics and signal processing.

## 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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