Decibel Insight is customer experience analytics technology designed for digital marketers and web analysts to accurately investigate how visitors interact with websites. It tracks and records what website visitors see and what they do, enabling marketers and web analysts to forensically examine their behavior and use that insight to improve the on-site customer experience.

As part of our on-going strategy to keep our tool our best on the market we are adding a Data Scientist to our team. You will research and apply the latest knowledge in analytics software, machine learning and neural networks to our already highly advanced website optimization tool.

The Data Scientist role will bridge the conception of new data analysis research and the development team.

Data Scientist – The Role:

- You will research and apply new techniques and methods as applicable, continuously striving to improve the Decibel Insight tool and the practices that are applied to each stage of the analytics lifecycle.
- You will inform the product development roadmap by translating your research into achievable goals.
- You will be responsible for identifying data we should be collecting within Decibel Insight, devising methods of instrumenting our system to extract and process this information and developing models to transform raw data into business insights.
- You will be leading projects where your interests and enthusiasm will have a major impact on business direction.
- Your role will involve working with huge amounts of data, and within the Decibel Insight tool you will develop algorithms and help to implement machine learning techniques.
- You will examine ways we can improve how the tool works with large volumes of data despite hardware, software, and bandwidth constraints.

What we are looking for from a Data Scientist:

- Masters or PhD in Machine Learning, Statistics, Computer Science, Maths, Physics, Applied Mathematics, Operations Research, Computer Science, Engineering, Economics, Physics or other similar field or experience.
- Experience working with large amounts of structured and unstructured datasets in an industry environment, ideally as a Data Scientist.
- Experience with one or more web analytics software packages would be highly desired.
- Demonstrable programming experience in a high-level programming language, ideally Python, Java or C within a Linux framework.
- Advanced skills in a scripting language such as Perl or PHP.
- Experience using SQL for data extraction and management (MSSQL, Oracle, MySQL).
- Knowledge of NoSQL data stores, MapReduce and software frameworks like Hadoop.
• Experience in Data Visualisation tools and software, such as Tableau, Qlik, or open source (e.g. D3)
• Excellent understanding of the fundamentals of statistical modelling and machine learning.
• Knowledge of industry standard data mining algorithms, with emphasis on information extraction from very large amount of data.
• An excellent communicator with technical and non-technical audiences with a desire to work within a team in a fast-paced & demanding business environment.

About Us:

Decibel Insight was born as an idea to help Decibel’s own clients (we were spun out of a digital agency) and then spiralled into something bigger when the UK government backed us to develop it further. We launched at the end of Q1 2014 after three years of development and beta testing, and are now the most advanced product of our kind globally, surpassing established competitors and being used in over 50 countries.