

# Graduate CAE Engineer Position

## About us:

Partnered with some of the greatest brands in the food, beverage and homecare in solving some of the most challenging sustainable solutions.

BMT are bringing unique, scientific based methodologies and equipment to the market to help accelerate the transition to a sustainable future.

This is a fantastic opportunity to join BMT's creative, talented team working on exciting, state of the art software and hardware products and services on a worldwide level.

Position valid to:  
01/05/2023, 17:00

### **What is the offer**

Gain hands-on experience working on real-world engineering projects.

Collaborate with a team of experienced engineers and learn about industry-standard practices and tools.

Develop programming skills and experience with software development processes.

Receive mentorship and guidance from senior engineers.

Competitive salary, professional, relaxed environment, private medical, salary sacrifice benefits, parking on site.

### **The position**

We are seeking a highly motivated and skilled individual to join our team as a graduate CAE Engineer with Programming Skills. In this role, you will be responsible for supporting our engineering team in the development and execution of computer-aided engineering simulations and models, as well as contributing to the creation and maintenance of custom software tools.

### **What we expect from you**

Collaborate with senior engineers to develop and execute CAE simulations and models using industry-standard software such as, Abaqus and 3D experience.

Conduct finite element analyses of complex mechanical or structural systems.

Develop and maintain custom software tools using languages such as Python, or VBA to streamline the engineering workflow and automate repetitive tasks

Analyze simulation results and provide recommendations to the engineering team for design improvements.

Participate in design reviews and provide feedback to improve the accuracy and reliability of the simulations and models.

### **Requirements:**

- About to obtain a degree in Mechanical Engineering, Aerospace Engineering, or a related field -ideally on track for a first class honours.
- Strong programming skills with experience in Python, MATLAB, or VBA
- Knowledge of CAE software such as Abaqus
- Familiarity with CAD software such as SolidWorks or CATIA
- Excellent problem-solving skills and attention to detail
- Strong verbal and written communication skills

### **Where you will work:**

You will be located at our engineering facility in Newtownbreda, Belfast. Some remote work may be possible depending on the project requirements and availability of resources.

### **How to apply:**

Send a resume and cover letter to [info@bmt-ni.com](mailto:info@bmt-ni.com) outlining your qualifications, right of work in UK and interest in the position before 5pm 1<sup>st</sup> May. If selected for an interview we will contact you via email or phone.