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### Alex Collins

“In November 2016, I joined Heat Trace as a Design Engineer. This role mainly involves using CAD software such as Solidworks and Autocad to produce 3D models and 2D engineering drawings, as well as using FEA (Finite Element Analysis) to perform Studies, such as thermal and stress analysis to show the products physical effects.



Alex Collins (left) with Engineering Director Dean White (right)

Since a very young age I have always had an interest in technology and computing. So, when I finished Sixth Form, I decided to go to university to do a course in Computer Aided Design Technology at Sheffield Hallam University. After 3 years, I Graduated with a 2:1 BSc (Hons) and managed to secure my first job role as a Design Draughtsmen at Sabre Valves in 2014. Since then I have had a variety of design, draughtsmen and junior mechanical roles where my CAD skills, mechanical knowledge and organisation of projects has grown significantly.

I feel now I have the skills needed to become a successful Engineer and progress within Heat Trace. Being from a mechanical background with no electrical experience, the past couple of months at Heat Trace have been great, as I feel that everyday I am learning more about the electrical side of engineering, as well as improving my mechanical knowledge. Overall, I feel confident I am going to succeed and grow within the company.”