

Gap Year Intern Power Electronics

Nexperia UK Ltd are a leading global semi-conductor company, with a site near Manchester UK. We have 2 opportunities in our Research & Development department for 1 year intern (gap year) student. As a current student in Electronics, you will gain industry experience in the development of power electronics devices and models, building a solid understanding of new and current power electronics applications and partnering with the wider team to support new business developments. The role is varied and will involve a combination of the following job responsibilities:

Job responsibilities:

- Help the business develop the next generation of power devices in either MOSFETs or GaNFETs
- Contribute to the design, debugging and development of new power electric applications
- Support complex R&D and engineering projects and work packages, including joint projects with external partners
- Generate and test new MOSFET thermal (CFD), SPICE and HDL models

What you will need:

- Studying towards BEng/MSc/MEng/ in relevant engineering background (electronics/mechatronics engineering/semiconductor physics)
- Desire to work in semiconductor industry
- Proactive attitude, good team player, with excellent communication skills and the ability to work towards deadlines
- Passion to make a difference in the world of electronics or semiconductors!

Our Power MOSFET business line is one of the top suppliers of high-quality power MOSFETs to the Automotive industry as well as a major player in providing general-purpose MOSFETs to the computing, industrial and consumer markets.

Nexperia is a world-class company in semiconductor development and in-house production. A proven global player with an entrepreneurial mentality. At our core is an 11,000+ strong international network with a singular focus. Built on passion and commitment to our work, belief in our goals and a drive to succeed regardless of the challenges we face. We support, reward and challenge individuals equally, in a dynamic and energetic environment.

Looking to push boundaries in a company where your talents can shine? Join TeamNexperia.

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EFFICIENCY WINS.