



Graduate / Junior Mechanical Engineer

About Us

Duku are a vibrant, well-established product design consultancy located in Cheltenham, Gloucestershire who specialise in the design and development of products including EV charging infrastructure, consumer products, mobility, health and fitness and medical devices.

This is an exciting time to join a growing design consultancy and play a direct role in the design and execution of a range of innovative projects

About The Role

This role will suit a Graduate or Junior Mechanical Engineer looking to work on exciting and innovative projects alongside Product Designers and Electronic Developers.

You will be sketching, prototyping, testing and refining design solutions to deliver high standards of product development, working on ideas that will transform our client's ideas into final production-ready products.

You will need to be hands on, practically applying your technical knowledge with a creative flair to ensure that all engineering problems are resolved thoroughly.

When you join, you will be expected to hit the ground running on one of our many live projects. Working as part of a larger project team, you'll have your own set of project deliverables and the chance to take ownership of how these are achieved. The role has the opportunity for swift progression as well as training and support from the wider design team.

Tasks will include:

- Understanding, creating and reviewing requirements with the design team and clients.
- Using creative problem solving to suggest effective design solutions and prove their validity.
- Designing and building proof-of-principle rigs and prototypes.
- Hand-producing prototypes using our 3D printers and fully equipped workshop.
- Developing mechanical parts, assemblies and systems from concept to production.
- Testing & analysing prototypes to validate design decisions.
- Defining product specifications and supporting justifications.
- Designing experiments and necessary rigs/fixtures for component validation.
- Help maintain the workshop and machinery.

About You

- 2:1 or above in Design Engineering, Product Design, Mechanical Engineering or equivalent degree.
- Able to evidence how you have applied your technical knowledge to solve problems, either through your university projects or as part of your extra-curricular activities.
- Passionate about Design and Engineering.
- Confident using workshop tools and machinery.

- Understanding or willingness to learn about mass production processes including injection moulding, CNC machining and sheet metal production.
- Hands on experience of building proof of concept prototypes to test and learn from ideas.
- Experience using 3D CAD Software, e.g. Solidworks.

Benefits

- £22,000 - £25,000 depending on experience.