



# What can we develop together?

## 1. ABOUT CRUX

Crux are world-leaders in the design, simulation and analysis of medical devices and consumer products; working as a trusted partner to many medical companies and household brand names, our projects touch lives by delivering a vast array of products to global markets.

## 2. ADVANCED ELECTRONICS & SOFTWARE ENGINEER

We're on the lookout for exceptionally talented individuals with a relevant engineering degree (Electronics, Information Sciences, Software) or similar. Crux Electronics & Software Engineers bring their electronics engineering expertise, including analytical, theoretical, and experimental capabilities to Crux's client projects.

This is a unique opportunity to help change the face of engineering within the medical devices sector, using innovation to solve complex problems, and deliver creative engineering solutions to both the pharmaceutical and consumer industries.

The role will involve new PCB schematic/layout design build and test, as well as embedded firmware development.

Check out what our Electronics and Software team is all about: [Crux - Electronics & Software](#)

### 3. PRINCIPAL RESPONSIBILITIES

- Electronic schematic capture and PCB layout. (Crux use Altium, but previous experience of this is not essential).
- Embedded firmware development.
- Writing requirements and design specifications using various Microsoft Office apps.
- Attending client meetings when required and contributing to client presentations.
- Being a team player who is willing to help and learn from others.

### 4. WHAT WE'RE LOOKING FOR...

#### 4.1 Essential:

- Achieved a first or high 2:1 classification in a relevant accredited degree program.
- Analogue and Digital Electronics Hardware Design.
- Signal Processing Algorithms.
- Behavioural Modelling.
- Microcontrollers (STM32, Nordic nRF52 etc.).
- Low Power Design.
- Wireless Communications (Bluetooth / BLE etc.).
- Embedded C/C++.
- RTOS.
- Schematic Capture and PCB Layout.
- Experimental and/or prototyping skills.
- Appetite for solving difficult and unusual problems.
- Ability to work within multiple cross-disciplinary teams and be client facing

### 5. WHY YOU'LL LOVE WORKING HERE

We're a dynamic and fast-growing engineering consultancy that takes pride in its outstanding work and supportive work environment.

As a member of our team, you'll collaborate with a diverse group of skilled professionals who excel in their respective fields. Our strong community is built upon effective communication and happy employees, collaboration in project work and regular social events are the norm.

Check out what an opportunity at Crux offers you: [Life at Crux](#)

If you're interested in working on multidisciplinary design projects, tackling some of the toughest briefs in the medical and consumer goods sectors, then we want to hear from you!



Interested? Email your CV and covering letter to [careers@cruxproductdesign.com](mailto:careers@cruxproductdesign.com) and add 'Advanced Electronics & Software Engineer' as the email subject.

For our privacy notice please see the following link: [Crux Privacy Policy](#)