fether labs

Electronics Engineer for a Smart Wristband

Job Title:	Electronics Engineer
Location:	London, UK (in-person only)
Salary:	£40,000 to £60,000
Start date:	Immediately, or upon availability
Contract type:	12 months, fixed term
Deadline:	All applications submitted by 30 April will be considered for this role. We will keep the application portal open thereafter until the role is filled.
Application form:	https://forms.gle/5G4MQ6xvohyQPSju9

This hiring process is being run in parallel to fundraising.

About us

We make smart wristbands that can track hand gestures for interacting with virtual objects in extended reality (XR). Our ambition is to make our smart wristbands the leading controllers for XR. Paired with XR headsets and glasses, these wristbands allow users to seamlessly interact with virtual and real-world objects. Fether Labs is a fully-funded startup that spun out of Imperial College London. Our wristbands use a proprietary core technology developed in the Department of Bioengineering at Imperial.

The Role

We are looking for a talented and ambitious Electrical Engineer to lead the transformation of our wearable wristband prototype into a market-ready product. As we are in the beginning stages of our start-up, we see this role for someone who is driven and motivated to be an early player of this team.

This role will involve rapid design iterations and prototyping of electronic circuitry towards production ready versions. In addition, you will work closely with our Software Team to provide integration of hardware and software. As we are a startup, we anticipate that you will be involved with many other aspects of the company, from CE marking and FCC certification to manufacturing and deployment.

Key Responsibilities

- Translate our existing prototype into a commercial-grade wearable device.
- Lead the hardware design process, focusing on performance and power efficiency.
- Rapidly iterate through design and prototype cycles to refine the product.
- Collaborate with the Software Team to provide a seamless integration of hardware and software.
- Lead user testing and quality assurance protocols.
- Contribute to certification processes (CE marking and FCC certification).
- Engage in research and development activities to explore new products and product features.

Essentials (these are minimum requirements)

- Excellent knowledge and skills with analogue and digital circuits.
- Proven experience in developing production-ready PCBs. Excellence in KiCAD or EasyEDA.
- Coding experience in C/C++.
- Soldering and fine dexterity.
- Excellent problem-solving skills and attention to detail.
- Strong communication and project management skills.
- Flexibility to take on many different roles, as needed in a fast-growth startup company.

Desirables (we do not expect you to have all of these)

- Have previously delivered an electronic product to the market with great success.
- Expertise in flexPCBs or rigid flexPCBs.
- Experience with RF circuit design.
- Experience with Nordic Semiconductor chips.
- Python coding.

What We Offer

- The opportunity to lead electronics design and prototyping in a fast-growing tech startup.
- We have invented a proprietary sensor that you, as an electrical engineer, will have exclusive access to build products for.
- Exposure to the full product lifecycle, from concept to manufacturing.
- £45,000 to £60,000

Application Process

Fill out the online application form and attach your CV. Uploading a portfolio and cover letter are optional.