



# Electronics & Firmware Engineer

## Job Description

[PitPat](#) is a fast-growing start-up founded in Cambridge two years ago, and dedicated to improving the lives of pets through technology. Last year we launched our first product – an award-winning [activity monitor for dogs](#) – and now we're building a complete "[Dog Care Intelligence Platform](#)".

Our low-cost high-volume sensor attaches to a dog's collar, where it measures, analyses and records motion, then sends that data via Bluetooth to our app on the dog-owner's phone. The app provides the user with a range of ways to interact with the data, as well as synchronising it with a cloud database that offers services to our commercial partners.

Now, as a result of growing sales and strong interest from partners, we plan to significantly enhance and develop our products according to a well-established roadmap.

Consequently, we are seeking candidates for the new role of **Electronics & Firmware Engineer** – based at our offices in Cambridge – who will:

- Support our CTO in all aspects of the design of high volume electronics for future PitPat wearable devices.
- Prototype and test concepts and production designs for new products.
- Develop embedded software for processors in the PitPat products.
- Work intimately and effectively with colleagues developing the device/app communication.
- Work with and support our manufacturer with the production of PitPat products.

The successful candidate is likely to have:

- A hands-on attitude to electronics development and prototyping.
- Significant experience of embedded C software development.
- Experience in low-cost, low-power electronics design.
- A solid understanding of design for manufacture and design for test.
- Experience of continuous improvement methodologies and lifetime design and test methodologies.
- Experience of schematic capture and Spice modelling.
- Experience of PCB design using layout tools such as Altium Designer.
- Diligence in version control, issue-tracking and documentation (ideally using git and Bitbucket).
- An enthusiasm for the kind of flexible collaborative working that's essential in a company of our size.



**Reports to:** CTO.

**Location:** 5 Brooklands Avenue, Cambridge.

**Remuneration:** Competitive based on experience.

**Start date:** ASAP.

**How to apply:** If you think you'd be top dog in this role please send your CV to [talent@pitpatpet.com](mailto:talent@pitpatpet.com).

**Closing date:** 31st January 2017.