

electronics engineer intern.

job description.

main details.

Type of employment: Internship or work placement (part-time/full-time)

Duration: 2+ months

Location: London

Company:

Did you know that more than 40 billion RFID tags are made for single-use annually and typically end up in landfill after a short life cycle? PulpaTronics develops fully recyclable chipless and metal-free RFID tags that are also cheaper and simpler to manufacture. While PulpaTronics is only one and a half years old, we have already been part of over a dozen incubators, accelerators and other programmes, won two grants and numerous competitions, such as the Dezeen, IDEA, IET and Red Dot awards. We are looking for applicants to join our team of six, who share our passion for sustainability, have a startup “hustle” mentality, and are eager to make real change in our society.

position summary.

We are looking to grow our R&D team with an Electronics Engineer Intern joining us as a radio frequency specialist. The main responsibility of this role is to support the radio frequency aspect of our product line through prototyping and testing antennas. The Electronics Engineer Intern will work to optimise the technical performance of our technology and assist our Radio Frequency Specialist Electronics Engineer and CTO. The position can also expand into developing the scaling up and commercialisation of the technology, and potentially lead to a permanent position as well.

key responsibilities.

1. Develop the radio frequency component of our technology based on market requirements through primary and secondary research
2. Responsible for designing, building, testing and evaluating prototypes for release to product development
3. Conduct rigorous scientific measurements using radio frequency equipment for characterising performance of RFID tag inlays
4. Generate performance summaries and report findings in design review session
5. Support developing and designing project timelines and grant applications
6. Communicate and collaborate with scientific advisors, scaling-up, IP and commercial experts
7. Contribute to developing intellectual property protection strategy

required qualifications.

1. Masters degree in Electrical and Electronic Engineering, Electronic and Information Engineering, Communications and Signal Processing or similar
2. Experience working with radio frequency systems and design is important
3. Demonstrated ability to take measurements using equipment, such as network and spectrum analyzers, and to interpret results
4. Preferably experience in using antenna behaviour simulation software such as CST and HFSS
5. Practical antenna design experience or experience with RFID design is a plus

6. Experience in using Matlab, Python or other programming languages in a plus
7. Team player with good communication skills, able to explain information to technical and non-technical audiences
8. Self-motivated, with a passion for the job, and able to follow tasks through to completion without direct supervision
9. Experience working in a fast-paced and challenging environment and collaborate successfully in a multidisciplinary team to achieve specific objectives

compensation & benefits.

1. Opportunity to take full ownership of a significant component of the technological development
2. Milestones tailored to personal development goals with plenty of support and training
3. Flexible working hours
4. Competitive stipend
5. Hybrid work

make an application.

For those interested, please fill out this [application form](#) by January 10, 2025, and upload your CV and cover letter. If you have any other questions or queries, please reach out to jobs@pulpatronics.com.