

Software / Hardware Engineering Internship (6 months)

Company Profile:

[Modularity Grid](#) is a deep tech startup focused on decarbonizing energy systems. We're funded by Google and Innovate UK, and working with leading companies including Airbus.

Here's why you'd be a great fit:

If you want to be involved in high impact work within a small team, we are looking for you! You are an inquisitive, self-motivated, resourceful and team-oriented engineer, who takes initiative to make sure results are delivered, even in an environment with a high number of unknowns. Like us, you are genuinely passionate about applying your skills to tackle some of the most complex global grand challenges of our time at the intersection between climate justice and energy.

What you'll be involved in:

- Developing embedded software platforms for use within electrical products
- Working with electronic design and embedded software engineers to develop control algorithms
- Modeling complex control systems using MATLAB and Simulink
- Collaborating with our world leading academic (i.e. Imperial College, TU Delft) and industry partners

Requirements:

- A graduate (or penultimate year student) in Computer Science, Information Engineering, Electrical and Electronic Engineering, Physics, Maths or a closely related field
- Matlab/Simulink and strong skills in at least one OOP language i.e Python, C++, Java etc.
- Designing embedded control software on microcontroller platforms using C or C++.
- Practical knowledge of functional safety standards such as ISO26262
- Keen to learn, adapt quickly and pick up new technologies and skills
- Proven experience with version control i.e. Git
- Excellent written and verbal communication skills

Mega bonus points (experience with any one, is fantastic):

- RaspberryPI / arduino for data acquisition using open source tools, in a commercial environment
- Hardware in the Loop simulation
- Tensorflow or other machine learning frameworks
- Design of automotive electronics and software, or battery management systems

Lots of perks in addition to a fun and friendly working environment, including:

- Private health insurance
- Regular team socials including a yearly off-site retreat
- Gym membership reimbursement

Compensation: £10.85 per hour

Start date: asap (flexible)

Location: London (however, we are working remotely for the next few months)

How to Apply: Send a 1 page CV (we would love to see your GitHub portfolio and / or any publications) to talent@modularitygrid.com with the subject "Better Futures Software / Hardware Engineering Internship". No recruiters please.