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## Core information

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Role title:	Software/ Electronics intern	Eligibility:	University Students
Working hours:	Full-Time	Period:	8+ weeks
Salary (pro rata):	£16,000-£25,000	Application Deadline:	13th May 2022
Reports to:	Engineering Lead	Location:	Batch.Space, London

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## Position and Our Company

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Alp Technologies is a clean tech company based in London and Boston. Over the past 6 years, we have been focused on research and development projects for renewable energy technologies designed to benefit low-income countries. Predominantly, our company has been designing, prototyping, and testing a state-of-the-art Li-ion battery storage system (Mega-BRIC) that uses End-of-Life battery cells to provide energy storage. It is the smartest and most affordable battery system to date. We are currently in the process of fundraising to scale up our operations and commercialise our revolutionary product, collecting substantial investments that will propel Alp Technologies into its next phase. This is a very exciting time for our company, and we are looking for a driven, passionate individual to help us scale and make a global impact.

Click [here](#) to see more about the M-BRIC.

Click [here](#) to see more about our mission.

At Alp, we see the people as the value of our system and as the core of our innovation. We operate with an agile mindset and tackle problems always considering the business case and root cause.

We are a small but fun young company, where everyone shares the same drive to provide electricity to rural areas in low-income countries where people need it the most. We believe that efforts should be invested in fulfilling basic human needs first before focusing technology efforts on improving the already good. You can find us in our office in Hackney, where bars and pubs are not far to enjoy some after work drinks with the team.

Our team is looking to hire an ambitious software engineer, experienced in working without a clear constraint, capable of making decisions based on user experience, product features and scalability. Project Management experience is essential for this role.

You will be responsible for creating a platform to interface and control a fleet of battery packs, collect usage data, and create prediction models to detect potential failures. You will also provide IoT development services to different start-ups at different stages of development, from proof of concept to software ready for deployment.

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## Skill Requirements

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	Requirements	Essential/ Desirable
Qualifications	Software engineering background. Keen interest in Electronics or Mechanical design	E
Knowledge:	<ol style="list-style-type: none"><li>1. At least one object-orientated language (preferably Python and/or C++)</li><li>2. Databases (SQL and/or no SQL)</li><li>3. Deployment to cloud computing environments (EC2 or Azure)</li><li>4. Containerisation (Docker or Kubernetes)</li><li>5. Machine learning</li><li>6. API design and maintenance</li><li>7. Knowledge of IoT applications and embedded IoT devices</li><li>8. Front end awareness: React, Javascript, HTML, CSS</li><li>9. Experience in working with Agile and Scrum Project Management</li><li>10. Staying up to date with latest technologies and best practices</li></ol>	 E D D D D D D D D E
Values	<ol style="list-style-type: none"><li>1. Hard-working - Start-up work ethic is a must!</li><li>2. Take personal responsibility - self-initiative mind-set and a desire to learn</li><li>3. Communicative and team mentality - both traits are important and complimentary in a team project environment</li><li>4. Organisational skill/Proactivity - Prioritisation skill with the ability to act in advance, plan-ahead and carry out duties proactively</li><li>5. Attention to detail - Must have mentality to check, re-check work and with a mind-set towards risks identification and mitigation</li></ol>	

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Applicants need to be eligible to work in the UK.

To apply for this role, please click [here](#).