

28 Cathays Terrace
Cardiff
CF26 1EB

XYZ Energy Solutions
2 Bond Street
Birmingham
B1 9AT

2 November 2024

Dear Hiring Manager,

I am an ambitious second year BEng Electrical Engineering student at Cardiff University and am writing to apply for the Electrical Engineering Placement at XYZ Energy Solutions. I bring with me theoretical knowledge of the sector, practical skills relating to the role and transferable skills to succeed in a professional environment.

I am enthusiastic about pursuing this Electrical Engineering placement role because it offers a unique opportunity to apply my academic knowledge to real-world challenges in the energy sector. My coursework in power systems, renewable energy technologies, and high voltage engineering has provided me with a solid technical foundation, and I am eager to translate this theoretical understanding into practical experience. Working on cutting-edge projects in transmission and distribution, power generation, renewable energy, and nuclear power aligns perfectly with my career aspirations to contribute to sustainable and reliable energy solutions.

I am particularly drawn to XYZ Energy Solutions because of its commitment to innovation and sustainability in the energy industry. The company's reputation for delivering high-quality, reliable solutions through advanced engineering practices resonates with my professional values and goals. Additionally, the opportunity to work alongside experienced engineers and project managers in a collaborative environment will not only enhance my technical skills but also foster my professional growth. I am excited about the potential to contribute to impactful projects that address the evolving energy needs of our society.

Through my degree I have developed the necessary theoretical knowledge and practical skills relevant to your placement. Within my Electrical Power Engineering module, I have developed knowledge in the fundamental concepts related to power generation, transmission, and distribution, including electrical machines, power systems analysis, and power electronics. I have also studied topics relating to various renewable energy technologies, and completed coursework on solar, wind, hydro, and biomass, including their design, operation, and integration into power systems.

My experience as a bartender, STEM Ambassador, and volunteer with Repair Cafe offers valuable skills applicable to the role. My customer service experience demonstrates effective communication and problem-solving abilities essential for collaborating with team members and clients. As a STEM Ambassador, I have showcased my communication skills by delivering workshops and fostering enthusiasm for technical subjects, while being involved in the Repair Café reflects my commitment to sustainability and teamwork. These experiences illustrate adaptability, communication, problem-solving, and commitment to sustainability, all of which are highly relevant to the demands of the engineering field.

I hope this cover letter has conveyed my interest in this role, as well as my suitability. Please find enclosed my CV which includes more detailed information about my skills, knowledge and experience. Thank you for your time.

Yours faithfully,

Joanna Harris