

JOANNA HARRIS

07123 456789 | jharris@hotmail.com | [LinkedIn](#)

Experienced final year Civil Engineering student at Cardiff University, with theoretical and applied knowledge in transmission and distribution, power generation, renewable energy and nuclear power. Proven experience working in a multi-disciplinary team and communicating with clients. Ambitious and motivated to work on large-scale energy projects, delivering front end engineering design (FEED) and detailed designs of energy projects.

RELEVANT EXPERIENCE

Electrical Engineering Placement, XYZ Energy Solutions 2023 – 2024

- Assisted in the preparation of detailed electrical designs for transmission and distribution systems, power generation facilities, renewable energy projects, and nuclear power plants using software such as AutoCAD, ETAP, and PSS/E.
- Supported project managers in planning, scheduling, and coordinating project activities. Helped in the preparation of project documentation, including reports, proposals, and presentations.
- Participated in site visits and inspections to monitor construction progress and ensure compliance with design specifications, industry standards, and safety regulations.
- Conducted data collection and analysis to support engineering studies and design decisions, including load flow analysis, fault studies, and reliability assessments.
- Worked collaboratively with cross-functional teams, including mechanical engineers, civil engineers, and contractors, to deliver integrated energy solutions.
- Conducted research on emerging technologies and best practices in transmission and distribution, power generation, renewable energy, and nuclear power to contribute to continuous improvement initiatives.

EDUCATION

BEng Electrical Engineering, Cardiff University 2021 – 2025

- **Power Systems Analysis, 68%:** Applied knowledge in power generation, transmission, and distribution systems. Including load flow analysis, fault analysis, and stability studies.
- **Electrical Machines and Drives, 65%:** Gained fundamental knowledge of electrical machines, including transformers, generators, and motors, control of electrical drives and their applications.
- **Control Systems, 63%:** Theoretical and applied knowledge of control systems in engineering, including feedback control, stability, and system design.
- **Renewable Energy Systems, 68%:** Gained overview of various renewable energy technologies, including design and analysis of renewable energy systems.
- **Power Electronics and Drives, 66%:** Designed and applied knowledge of power electronic converters and drives, including integration with renewable energy sources.

A Levels: Further Maths A, Physics A, Physical Education B, *Cardiff Sixth Form* 2019 - 2021

GCSEs: 11 x 9 - 4 including Maths, English and Science, *Cardiff High School* 2014 – 2019

OTHER EXPERIENCE

Bartender, *Cosy Club*

2021 – Ongoing

- Proficient in crafting a diverse range of drinks, leveraging extensive knowledge of ingredient combinations.
- Provided exceptional customer service in a fast-paced bar environment and effectively resolving unexpected challenges during high-traffic hours, highlighting agility and quick decision-making.
- Maintained cleanliness and organisation behind the bar, adhering to sanitation standards and safety protocols to uphold a hygienic environment.

STEM Ambassador Volunteer Week, *STEM Learning*

February 2023

- Delivered interactive workshops on various STEM topics to over 5000 students across various high schools and colleges.
- Provided inspiration and real-world context to young learners by linking STEM subjects to the world of work, fostering enthusiasm and interest in STEM fields.
- Utilised training and support provided by STEM Ambassadors to confidently deliver a range of activities to empower students to explore STEM careers.

Volunteer Repairer, *Repair Café*

2022 – 2023

- Contributed to the circular economy and environmental sustainability by repairing and restoring broken items free of charge, diverting them from landfills and promoting a culture of reuse and recycle.
- Collaborated with a team of volunteers and interacted with members of the public to provide friendly and efficient repair services, fostering a sense of community and environmental stewardship.
- Educated visitors about the environmental benefits of repair and encouraged them to consider repair options before resorting to disposal, promoting a culture of reuse and resource conservation.

PROFESSIONAL MEMBERSHIP

Student Member, *Institute of Electrical and Electronics Engineers (IEEE)*

2021 – Ongoing

- Access a wealth of technical resources, including the IEEE Xplore Digital Library and educational webinars.

INTERESTS

I am an active member of the Cardiff University Surf Society, where I regularly participate in surfing trips and events, allowing me to develop my teamwork and communication skills. Being part of the society means I must effectively manage my workload, ensuring I am organised with deadlines so I can take time out on a Wednesday afternoon and weekends to surf the Welsh coast.