

Curriculum vitae: Jesse Lee Ross

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Objective

A highly motivated and dedicated Chemical Engineering graduate with a specialisation in Energy and the Environment, seeking a role within an environment that requires a high level of problem-solving skills. Offering strong analytical and problem-solving skills, adaptability, and a passion for contributing to innovative solutions.

Education

- Postgraduate Certificate of Education, Mathematics Secondary
[Bangor university], [2022 – 2023]
- Bachelor of Engineering (B.Eng.), Chemical Engineering (2.1)
[University of Manchester], [2018 - 2022], Specialization: Energy and the Environment
- A-Levels [Ysgol Friars], [Bangor, North Wales] [2015 - 2017]
[Mathematics (A*), Further Mathematics (A*), Chemistry (A), Physics (A)]

Experience

Mathematics Tutor [2018 - 2023]

Delivered one-on-one tutoring sessions in Mathematics to students of various ages and abilities. Identified areas of improvement and devised customised lesson plans to address individual needs. Monitored student progress and adjusted teaching strategies to optimise learning outcomes.

Leadership and Involvement

Well-being Representative [Manchester University], [2018 - 2019]

Acted as a liaison between students and faculty to address well-being concerns.

Orchestrated and promoted well-being events, including a weekly student relaxation space with university-sponsored drink refreshments.

Academic Representative [Bangor University], [2022 – 2023]

Served as a voice for students in academic matters, advocating for their needs and concerns.

Participated in regular meetings with faculty and administration, providing feedback on curriculum and teaching methods.

Projects

Designing a Reactor Vessel

Devised a reactor vessel design considering forms of erosion and material properties, applying materials science and mechanical design principles.

Methanol Production from Food and Plastic Waste

Developed a chemical process for producing methanol from food and plastic waste, showcasing sustainable waste management practices.

Life Cycle Analysis on Recycling of PET Plastic

Conducted a comprehensive life cycle analysis on PET plastic recycling, evaluating environmental impacts and potential improvements.

Skills

Analytical: Proficient in data analysis and problem-solving.

Technical: Familiar with programming languages (e.g., Python, MATLAB).

Software: Microsoft Office Suite (Word, Excel, PowerPoint).

Communication: Excellent written and verbal communication skills.

Organisation: Proven ability to manage multiple projects and priorities.

Adaptability: Adept at learning new concepts and technologies quickly.

Certifications and Training

Fire Safety Training Level 2

First Aid Level 2

Safeguarding level 1

References

Available upon request.