**Jesse Ross**

Online Profiles: [GitHub](https://github.com/JesseRoss001) | [Linkedin](https://www.linkedin.com/in/jesse-ross-2119b722a)

**Objective:**

Aspiring Full-Stack Developer with a Chemical Engineering background, eager to leverage my cross-disciplinary expertise to innovate and excel in technology-driven environments.

**Key Skills:**

* Programming Languages: Python, JavaScript, HTML, CSS, MATLAB
* Frameworks & Libraries: Django
* Tools & Platforms: Git, CAD, Process Simulation, GitHub
* Database Management: PostgreSQL
* Methodologies: Agile, Scrum

**Professional Experience:**

Full-Stack Individual Project

* [Live Site](https://community-centre-71f077e09006.herokuapp.com/community/)
* [Project Link](https://github.com/JesseRoss001/Community-Center)
* Developed a comprehensive web application, the Community Center Booking System, within a two-week sprint using Python, Django, HTML, CSS, and JavaScript.
* Implemented user authentication, event management, and admin oversight, enhancing user experience and accessibility.
* Addressed security challenges by implementing a secure event management system in compliance with data protection regulations.

Rage Room - Booking System (3 days, Team of 3)

* [Live Site](https://hackathon-3-django-project-59dd84c02c42.herokuapp.com/)
* [Project Link](https://github.com/doctypeKieran/hackathon-3-fullstack-django)
* Developed a user-friendly website for rage room bookings, demonstrating expertise in Django, HTML, CSS, and JavaScript.
* Focused on user authentication, event creation, editing, booking, and tracking, ensuring a comprehensive user experience.

Millionaire Boxing (3 days, Team of 3)

* [Live Site](https://jesseross001.github.io/Quiz-Game-Hackathon-2/)
* [Project Link](https://github.com/JesseRoss001/Quiz-Game-Hackathon-2)
* Created a trivia game inspired by "Who Wants to Be a Millionaire," showcasing strong visual design skills and JavaScript proficiency.

Dish Discovery Project (3 days, Team of 4)

* [Live Site](https://beardyone80.github.io/Home-Cook-Hackathon-2/login-index.html)
* [Project Link](https://github.com/JesseRoss001/Home-Cook-Hackathon-1.git)
* Developed a recipe collection website using HTML, CSS, and Bootstrap, focusing on user-friendly design and basic search functionality.

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]
* A-Levels (Ysgol Friars, Bangor, North Wales), [2015 - 2017]: Mathematics (A\*), Further Mathematics (A\*), Chemistry (A), Physics (A)
* Well-being Representative, Manchester University, [2018 - 2019]
* Academic Representative, Bangor University, [2022 – 2023]

Technical Skills in Chemical Engineering:

Proficient in MATLAB, AutoCAD, Simulink, Aspen, and Aspen HYSYS, applying these tools in various academic and project-based contexts.

Developed strong analytical and problem-solving skills through extensive coursework and projects in the energy and environmental sector.

Certifications

* Code Institute Full Stack
* Fire Safety Training Level 2
* First Aid Level 2
* Safeguarding Level 1
* Mental Health First Aid Level 3

Languages:

* English (Fluent)
* Afrikaans (Intermediate)
* Xhosa (Beginner)
* Welsh (Beginner)
* German (Beginner)

Interests:

* Chess
* Dog Showing & Discipline
* Artificial Intelligence
* Swimming

References:

Available upon request.