

SHORT BIO

Graduate Chemical Engineer with a Master's in Chemical Engineering and Process Design. A detail-orientated and analytical thinker with strong teamwork and communication skills. Experienced in supporting lab-scale research and industrial processes, with a proven ability to interpret data, solve complex engineering problems, and adhere to safety regulations. Eager to apply technical knowledge to real-world challenges while contributing to sustainability and innovation in the chemical industry.

CORE COMPETENCIES

Chemical process design	●●●●●	Process safety	●●●●●
Data analysis	●●●●●	Environmental compliance	●●●●●
Lab research	●●●●●	Reporting	●●●●●
Data pattern recognition	●●●●●		

EDUCATION

Master of Engineering in Biochemical Engineering
University of Manchester, UK, 2021
Bachelor of Science in Chemical Engineering
University of Leeds, UK, 2016

WORK EXPERIENCE

Graduate Chemical Engineer	2021 - 2021
GreenChem Solutions Ltd - Manchester, UK	
Assisted in the design and optimisation of a distillation column for a biofuel production plant. Conducted simulations using Aspen Plus to model chemical processes and evaluate efficiency. Collaborated with the safety team to review risk assessments and compliance documentation.	
<ul style="list-style-type: none">Optimised a key stage in the chemical process, resulting in a 12% reduction in energy consumption and improved overall plant efficiency.	

ADDITIONAL EXPERIENCE

Research intern	2019 - 2020
CleanTech Research Lab - Leeds	
Supported senior researchers in conducting experiments on CO ₂ capture technologies. Analysed lab data and created reports using MATLAB and Excel.	
<ul style="list-style-type: none">Co-authored a research report on carbon capture efficiency that was presented at a university-led sustainability conference.	

TECHNICAL PROFICIENCIES

Aspen Plus, MATLAB, ChemCAD, AutoCAD, HYSYS, Microsoft Office Suite, Google Workspace