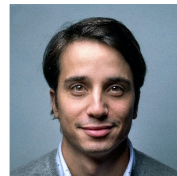


JUNIOR PROCESS ENGINEER

Alex Sheridan



Aberdeen, United Kingdom // alex.sheridan@gmail.com // +44 7434 672 189 // linkedin.com/in/alexsheridan-proc

Process engineering graduate from Robert Gordon University with a 6-month internship at a North Sea oil and gas operator. Contributed to **5 process safety reviews** and developed **3 process flow diagrams** for a platform debottlenecking study. Proficient in Aspen HYSYS, P&ID interpretation, and hazard identification, with a **2:1 (65% average)** in Chemical and Process Engineering and a commitment to safe, efficient operations.

EXPERIENCE

Jun 2025 – Nov 2025

Process Engineering Intern, CNOOC International, Aberdeen

Completed a 6-month internship within the production and process engineering team supporting North Sea offshore operations.

- Developed **3 process flow diagrams (PFDs)** and updated **8 P&IDs** for a platform separation system debottlenecking study
- Participated in **5 HAZID and HAZOP reviews** as scribe, documenting **80+ action items** across all sessions
- Ran **10 process simulations** in Aspen HYSYS to evaluate separator performance under varying flow conditions
- Prepared **4 technical notes** on process operating parameters for the offshore operations team

Jan 2023 – May 2025

Bar Staff (Part-time), BrewDog Aberdeen, Aberdeen

Worked 2 to 3 shifts per week in a busy city centre bar alongside university studies.

- Served an average of **150 customers per shift** during Friday and Saturday evening service
- Completed personal licence holder training and assisted with **stock management and cellar maintenance**

EDUCATION

Sep 2022 – Jul 2025

BEng (Hons) Chemical and Process Engineering in Chemical and Process Engineering, Robert Gordon University, Aberdeen

Graduated with Upper Second Class Honours (**2:1, 65% average**). Programme accredited by IChemE.

- Final year project on CO2 capture optimisation using amine scrubbing, graded **70%**
- Relevant modules: Process Design, Thermodynamics, Fluid Mechanics, Safety & Loss Prevention, Process Control

SKILLS

Process Simulation (Aspen HYSYS) • P&ID Development & Review • HAZOP & HAZID Participation • Process Flow Diagrams (PFDs) • Mass & Energy Balances • Separation & Distillation Design • Process Safety Awareness • Technical Note Writing • AutoCAD • Microsoft Excel (VBA basics) • Data Analysis • Health & Safety (COSHH)

CERTIFICATIONS

Aug 2025 – Aug 2025

IChemE Affiliate Member, Institution of Chemical Engineers

May 2025 – May 2025

OPITO Basic Offshore Safety Induction & Emergency Training (BOSIET), OPITO

LANGUAGES

English - Native

EXTRA CURRICULAR ACTIVITY

Sep 2023 – Jun 2025

Member - RGU Energy Society

Attended **8 industry talks** from North Sea operators and renewables companies, and participated in the annual **SPE Student Paper Contest**.