

Codie Freeman

contact@codiefreeman.com | 07557 278 469 | linkedin.com/in/codiefreeman | codiefreeman.com

Professional Summary

GMP-trained Analytical Chemist and Pharmaceutical Chemistry student with experience across solid-state and advanced analytical techniques. Skilled in generating high quality datasets, maintaining ALCOA++ data integrity and supporting regulated workflows in a compliance-driven environment.

Technical Skills

Solid-State Methods: iGC-SEA, DVS, PXRD, DSC, TGA, SEM, EDX, Light Microscopy.

Analytical & Separation: HPLC-MS, GC, NMR (^1H & ^{13}C), FTIR, TLC.

Quality & Compliance: GMP, ALCOA++, CAPA Processes, SOPs, COSHH, Risk Assessment, Data Integrity.

Computational & Data Analysis: Python (Pandas, NumPy, Matplotlib, Jupyter), Git/GitHub.

Professional Experience

Student Scientist, Resolian – Sandwich, Kent

Aug 2025 – Aug 2026

- **Method Development:** Designed an iGC-SEA flow-rate case study demonstrating up to a 50% reduction in run time for larger probes, evidencing capability for varied-flow-rate method development.
- **Technical Report Writing:** Authored multiple stability study reports as lead author for sponsors, with deliverables undergoing technical and QC review before submission, ensuring professional documentation.
- **Solid-State Characterisation:** Applied iGC, SEM, PXRD, DSC, DVS, TGA and light microscopy across sponsor projects to support material understanding and sample assessment.
- **Data Integrity & Documentation:** Maintained accurate laboratory notebooks, ADF and audit trails across GMP projects, contributing to multiple sponsor reports.
- **Process Improvement:** Streamlined light microscopy workflows by replacing a four-step manual composition process with a single composite-image tool, improving consistency and presentation quality.
- **Training & Communication:** Created microscopy training resources and delivered a session to three analysts, with materials shared across the wider laboratory team to support consistent practice.

Shift Manager, JD Wetherspoon – Reading, Berkshire

Jan 2022 – Jun 2025

- **Team Leadership:** Managed teams of up to 20 staff in a hospitality environment, managing onboarding, training, and shift operations within a 90+ person team.
- **Operational Performance & Problem Solving:** Improved internal audit scores by 15%, contributing to the site's first all-green audit in 10 years across cleanliness, stock, cash and people.
- **Regulatory Coordination:** Held personal licence, ensuring full compliance with licensing laws and leading a regulatory inspection that achieved a 5/5 rating.

Education

BSc (Hons) Pharmaceutical Chemistry, University of Reading

Sep 2021 – Jun 2027

including foundation year, industrial placement and approved interruption of study

- **Key modules:** Pharmaceutical Chemistry, Further Organic Chemistry, Further Physical Chemistry, Python, AI and Machine Learning for Chemical Sciences.

Projects

Surface Energy of Sucrose at Modified Particle Sizes

Jan 2026 – Present

- Characterised surface energy heterogeneity across three sucrose fractions of modified particle size via iGC-SEA, PXRD and SEM, to investigate the relationship between processing route and surface energy character.
- Poster presentation at the Analytical Research Forum 2026.

Volunteering

STEM Ambassador, STEM Learning UK

Jul 2025 – Present

- Deliver outreach through the *I'm a Scientist* programme, supporting and encouraging student engagement in chemistry and pharmaceutical sciences.

Professional Development

- Member of the Royal Society of Chemistry (RSC) including Chemical Information and Computer Applications Group and Joint Pharmaceutical Analysis Group (JPAG)
- Obtained the University of Reading *RED Award*, demonstrating commitment to professional development
- Completed CPD-accredited *I'm a Scientist Academy* training in science communication and public engagement
- Responsible AI CPD-accredited training from Earth 51