Donald Walker

Science

Recent chemistry graduate with 18 months of undergraduate research and a summer internship in analytical method development. Comfortable running liquid and gas chromatography plus standard wet-chemistry workflows. Seeking a laboratory analyst or associate scientist role in an industrial or contract lab.

Raleigh, NC 12345

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KEY SKILLS

- Liquid chromatography systems, standard and high-pressure (Waters, Agilent)
- Gas chromatography-mass spectrometry and nuclear magnetic resonance (bench-level operation)
- Ultraviolet-visible and infrared spectroscopy
- Titration and gravimetric analysis
- Air-sensitive synthesis (Schlenk line, glovebox familiarity)
- Laboratory information system data entry
- Python and Excel for data analysis
- Laboratory safety (chemical hygiene, personal protective equipment, safety data sheets)

PROFESSIONAL EXPERIENCE

ANALYTICAL CHEMISTRY INTERN | SAGEBROOK LABORATORIES, DURHAM, NC
SUMMER 2024

- Ran roughly 40 liquid chromatography samples per week for a stability study on a small-molecule drug substance, logging results into the lab information system.
- Helped a senior chemist develop a high-pressure liquid chromatography method for a related-substances assay, including mobile-phase optimization and linearity testing.
- Prepared reagents and standards to pharmacopeial grade and kept traceability records for each batch.
- Wrote a summer-end technical memo summarizing method robustness across three column lots.

UNDERGRADUATE RESEARCH ASSISTANT | KESSLER GROUP, NC STATE UNIVERSITY, RALEIGH, NC
2022 – 2024

- Synthesized and characterized a series of ruthenium photocatalysts, contributing nuclear magnetic resonance and ultraviolet-visible spectroscopy data to a manuscript submitted in early 2024.
- Kept a shared inventory of air-sensitive reagents and trained two new undergrads on Schlenk-line technique.
- Presented a poster at the NC Undergraduate Research Symposium (spring 2024).

EDUCATION

- B.S., Chemistry (professional society certified track), North Carolina State University, 2024

- Relevant coursework: Instrumental Analysis, Physical Chemistry, Biochemistry I and II