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Donald Walker

Biology

Recent B.S. Biology graduate with two years of undergraduate research in aquatic ecology and a summer internship in a diagnostics lab. Looking for an entry-level research or lab technician role where I can build on my field sampling and molecular skills.

Contact Information

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Education

- B.S., Biology, Indiana University Bloomington, 2025 (graduated with honors)
- Relevant coursework: Genetics, Microbiology, Biostatistics, Aquatic Ecology, Molecular Biology Laboratory

Key Skills

- Nucleic acid extraction, PCR, and qPCR
- Gel electrophoresis
- Aseptic technique, Gram staining
- Field sampling with multiparameter water quality meter, Van Dorn, and Ekman grab
- Microscopy (light, fluorescence)
- R (tidyverse, ggplot2), basic Python
- GraphPad Prism, ImageJ
- Scientific writing and poster design

Professional Experience

Undergraduate Research Assistant, Freshwater Ecology Lab | Indiana University Department of Biology, Bloomington, IN
2023 - 2025

- Collected water and sediment samples from 6 sites along Griffy Lake across two field seasons, logging temperature, dissolved oxygen, and turbidity for each visit.
- Ran eDNA extractions and qPCR on around 180 samples to detect invasive rusty crayfish, contributing data to a manuscript in preparation.
- Presented a poster at the Indiana University Undergraduate Research Symposium and won the departmental Meredith Prize for undergraduate biology research.
- Trained two incoming freshmen on sampling protocol and lab notebook standards.

Laboratory Intern | Wabash Clinical Diagnostics, Terre Haute, IN
Summer 2024

- Prepared specimens for the microbiology bench and logged accessioning data into the lab information system.
- Ran daily performance checks on incubators and biosafety cabinets and flagged one out-of-range reading that led to a service call.
- Shadowed medical technologists on Gram stains and culture reads across a 10-week rotation.