

# Matthew D. Freeman

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## Professional Summary

Environmental Scientist with a strong foundation in environmental compliance, laboratory analysis, and field-based research. Experience includes regulatory-focused academic training (RCRA, Clean Water Act 404/401), QA/QC data review, and environmental data management. Proven ability to manage projects, communicate technical findings, and work both independently and on multidisciplinary teams. Skilled in scientific documentation, data analysis, and supporting environmental compliance initiatives.

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## Education

### Master of Science, Environmental Science

Christopher Newport University – Newport News, VA

### Bachelor of Science, Cellular, Molecular, and Physical Biology

Christopher Newport University – Newport News, VA

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## Relevant Experience

### Graduate Researcher (Nanotechnology & Catalysis)

Christopher Newport University | Jan 2021 – May 2026

- Conducted 400+ laboratory trials following strict SOPs, ensuring data integrity and reproducibility aligned with QA/QC standards.
- Analyzed reaction kinetics and environmental conditions (pH, temperature), applying data validation and quality review techniques.
- Maintained detailed laboratory documentation and technical reports consistent with regulatory-style compliance standards.
- Utilized advanced instrumentation (UV-Vis, SEM, TGA, FTIR) and ensured proper calibration and operation.
- Interpreted complex datasets using RStudio to support scientific conclusions and reporting.

### Lead Wetland Researcher

Fear2Hope | Aug 2024 – Present

- Led environmental field research focused on wetland restoration, carbon sequestration, and ecosystem monitoring.
- Conducted environmental data collection and site assessments, aligning with regulatory concepts such as Clean Water Act (Sections 404/401).
- Managed project timelines, field logistics, and data workflows to ensure timely and accurate deliverables.
- Communicated findings to students and stakeholders, demonstrating strong technical communication skills.
- Applied GIS tools to assess environmental conditions and support decision-making processes.

### Graduate Lab Assistant

Christopher Newport University | Aug 2024 – Dec 2025

- Enforced laboratory safety protocols and proper chemical handling aligned with environmental health and safety standards.
  - Assisted in training students on experimental procedures, documentation, and compliance with lab requirements.
  - Supported troubleshooting, data interpretation, and adherence to structured experimental processes.
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## Technical Skills

**Environmental & Compliance:** Environmental sampling, data validation, QA/QC review, regulatory framework familiarity (RCRA, CWA 404/401)

**Laboratory & Field:** Chemical analysis, instrumentation calibration, field sampling, environmental monitoring

**Data & Software:** R/RStudio, ArcGIS, Microsoft Excel, Word, data analysis and reporting

**Other:** SOP development, technical writing, project coordination, stakeholder communication