**CAYENNE PEPPER**

(555) 555-5555 cayenne.pepper1@louisiana.edulinkedin.com/in/cayennepepper

**EDUCATION**

**University of Louisiana at Lafayette**, Lafayette, LA

*Doctor of Philosophy in Chemistry Candidate* Expected: May 2026

GPA: 4.0/4.0

**University of Louisiana at Lafayette**, Lafayette, LA

*Master of Science in Chemistry* May 2024

GPA: 4.0/4.0

**University of Louisiana at Lafayette,** Lafayette, LA

*Bachelor of Science in Biochemistry* May 2022

GPA: 3.2/4.0

**RESEARCH EXPERIENCE**

**Research Assistant** August 2023 - Present

University of Louisiana at Lafayette, *Lafayette, LA*

* Synthesize organic ligands and inorganic compounds using anaerobic techniques
* Characterize products with 1H, NMR, UV-visible, and IR spectroscopies
* Measure interactions of the complexes with duplex DNA via melting curves
* Present posters at one regional and two local meetings

**Collegiate Leaders in Environment Health (CLEH) Internship** August 2022 - May 2023

NIOSH, *New Orleans, LA*

* Purified recombinant proteins and blood/plasma using HPLC/FPLC and column chromatography techniques
* Tested swabs for drug products for verification of cleaning process
* Followed SOPs, EP and OSHA regulations

**TEACHING EXPERIENCE**

**Teaching Assistant** August 2022 - May 2024

University of Louisiana at Lafayette, *Lafayette, LA*

* Maintained courses with high-quality learning content, assessments, outcomes, modules, projects, quizzes, and finals to ensure students master the required material
* Prepared clear course expectations, course materials, lesson plans, evaluations, and timelines in syllabus
* Challenged, engaged, encouraged, and communicated with 60 students learning progress per semester
* Completed grade books, final grades, evaluations, and responded to student questions in a timely manner with mutual value and respect

**PUBLICATIONS**

Lenker, C.; Harclerode, M.; Aragona, K.; Fisher, A.;, J.; Hadley, P. Integrating groundwater conservation and reuse into remediation projects. *Remediation Journal*. Spring 2014. DOI: 10.1002/rem.21389

**PRESENTATIONS**

J.; Borch, T.; Sale, T.C.; Blotevogel, J. “Electrolytic degradation of 1,4-dioxane catalyzed by titanium dioxide pellets.” March 16-19, 2014. Dallas, Texas. Presented at *Conference of the American Chemical Society.*

J.; Borch, T.; Sale, T.C.; Blotevogel, J. “Electrolytic degradation of aqueous contaminants catalyzed by novel titanium dioxide pellets.” Aug. 19-21, 2014. Iowa City, Iowa. Presented at EmCon 2014 – *4th International Conference on Emerging Contaminants in the Environment.*

**TECHNICAL SKILLS**

* 1H, 13C, 1H-1H COSY NMR Spectroscopy
* IR, GCMS and UV Spectroscopy
* Chromatography (gas, thin layer, column)
* Preparation of microscope slides and blood samples
* Staining procedures, including Globin IHC trials, Ferric Ferricyanide, Erythrosine B, and Acid Elution
* Accurate record keeping in a laboratory notebook

**ADDITIONAL EXPERIENCE**

**Library Assistant** January 2021 – February 2024

Lafayette Public Library – Main Branch, *Lafayette, LA*

* Performed general administrative duties to support professional staff and assist students with research
* Designed a presentation, published to the library website, outlining how to most effectively use

all of the public library’s amenities when undertaking a research project

**CERTIFICATIONS**

American Chemical Society (ACS) Certification January 2023

**AWARDS AND HONORS**

UL Lafayette Promise Scholarship August 2023 - Present

William R. and Phylis T. Moore Organic Chemistry Scholarship August 2023 - Present

UL Lafayette President’s List Fall 2023, Spring 2024

**PROFESSIONAL ASSOCIATIONS**

**Member**, American Chemical Society, UL Lafayette January 2022 - Present

**President**, Sustainable Remediation Forum, UL Lafayette March 2023 - June 2023

**CONFERENCES**

**ICNP –** Spoke on a panel about Cisco networking April 2024

**PepsiCo –** Diversity and inclusion seminar August 2023

**COMMUNITY INVOLVEMENT**

**Volunteer,** Student Ambassador Program, *Lafayette, LA* March 2023 - June 2023

* Mentored a new graduate student transitioning into the graduate program
* Met with mentee and answered any questions or gave advice where vital for success in the program