Curriculum Vitae

Education

University of Texas, Austin, TX, August 2026 – present

- Ph. D. student

Louisiana State University, Baton Rouge, LA, August 2022 – May 2026

- Geology, B.S.
- Biological Sciences, B.S.
- Thesis: *Understanding the Influence of Diagenetic Activity on Oxygen Isotope Composition of Permian Vertebrate Teeth*
- Honors College Member
- GPA: 4.10, *summa cum laude*

Research Experience

Graduate Researcher, Dr. Brian Horton (advisor), Jackson School of Geosciences, University of Texas at Austin: August 2026 – present

- Investigating the formation of the Ancestral Rocky Mountains as a link between the Laramide Orogeny and break-up of Rodina

Undergraduate Researcher, Dr. Achim Herrmann (advisor), Department of Geology & Geophysics, Louisiana State University: August 2023 – May 2026

- Conducted an undergraduate thesis research project on the diagenetic history of Permian tetrapod teeth collected from sites near Seymour, TX
- Operated a Laser-Ablation – Laser-Induced Breakdown Spectroscopy – Inductively Coupled Plasma – Mass Spectrometry (LA-LIBS-ICP-MS) system to determine trace element chemistry of samples
- Utilized an Electron Probe Micro-Analysis (EPMA) system to determine major and minor element chemistry of samples
- Collected X-Ray Diffraction (XRD) and X-Ray Fluorescence (XRF) data on host rock samples to determine their mineralogy and chemistry

Academic Presentations

Chiasson, A., and Herrmann, A. 2026, April 24. *Understanding the Diagenetic History of Vertebrate Teeth from a Key Permian Ecosystem* (Poster, 1st place). LSU G&G Rock Stars Student Poster Competition. Baton Rouge, LA.

Chiasson, A., and Herrmann, A. 2026, April 17. *Understanding the Diagenetic History of Vertebrate Teeth from a Key Permian Ecosystem* (Poster). LSU Discover Day. Baton Rouge, LA.

Chiasson, A., and Herrmann, A. 2025, October 24. *280-Million-Year-Old Fillings: A Geochemical Analysis of Tetrapod Teeth from a Permian Red Bed near Seymour, TX* (Poster). Science and Spirits. Baton Rouge, LA.

Chiasson, A., and Herrmann, A. 2025, April 25. *280-Million-Year-Old Fillings: A Geochemical Analysis of Tetrapod Teeth from a Permian Red Bed near Seymour, TX* (Poster). LSU Discover Day. Baton Rouge, LA.

Chiasson, A., and Herrmann, A. 2025, April 25. *280-Million-Year-Old Fillings: A Geochemical Analysis of Tetrapod Teeth from a Permian Red Bed near Seymour, TX* (Poster, 2nd place). LSU G&G Rock Stars Student Poster Competition. Baton Rouge, LA.

Chiasson, A., and Herrmann, A. 2024, April 25. *280-Million-Year-Old Fillings: A Geochemical Analysis of Tetrapod Teeth from a Permian Red Bed near Seymour, TX* (Poster). LSU Discover Day. Baton Rouge, LA.

Chiasson, A., and Herrmann, A. 2024, April 19. *280-Million-Year-Old Fillings: A Geochemical Analysis of Tetrapod Teeth from a Permian Red Bed near Seymour, TX* (Poster). LSU G&G Rock Stars Student Poster Competition. Baton Rouge, LA.

Chiasson, A., and Russell, J. 2023, May 5. *Effect of Varied Temperature on Crassostrea virginica Metabolism with Respect to Geographical Difference* (Poster). LSU CURE Presentation Day. Baton Rouge, LA.

App Development

DinoBase, A Dinosaur Database (2022 – present): A free iOS application that provides detailed information about hundreds of extinct dinosaurs, mammals, and other animals from across the globe with images, descriptions, geologic formations, and other facts for each

Honors and Awards

- Graduate Student Fellowship, University of Texas at Austin: Fall 2026
- College Honors, Louisiana State University Roger Hadfield Ogden Honors College: Spring 2026
- Distinguished Undergraduate Researcher: Spring 2026
- President's Honor Roll: Fall 2025, Spring 2025, Fall 2024, Spring 2024, & Fall 2023
- Outstanding Senior, Louisiana State University Geology & Geophysics: Spring 2026
- Communicator Certificate, Louisiana State University: Spring 2026
- First Place, Louisiana State University Geology & Geophysics Rock Stars Undergraduate Poster Competition: Spring 2026
- Recipient, Charles L. Jones Scholarship in Geology & Geophysics at Louisiana State University: Fall 2025

- Recipient, Tiger Athletic Foundation Honors Capstone Scholarship: Summer 2025
- Outstanding Junior, Louisiana State University Geology & Geophysics: Spring 2025
- Second Place, Louisiana State University Geology & Geophysics Rock Stars Undergraduate Poster Competition: Spring 2025
- Recipient, Chevron Student Analytical Research Fund: Fall 2023 & Fall 2024
- Recipient, New Orleans Geological Society Memorial Scholarship: Fall 2024
- Dean's List: Spring 2023 & Fall 2022

Relevant Coursework

University of Texas at Austin

Dynamic Field Stratigraphy, Isotope Geology

Louisiana State University

Stratigraphy, Plate Tectonics, Evolution of the Biosphere, Field Geology, Structural Geology, Igneous and Metamorphic Petrology, Programming and Data Analysis in Earth Sciences, Introduction to Sedimentology & Depositional Environments, Mineralogy

Skills and Proficiencies

- Proficient in using a Laser-Ablation – Laser-Induced Breakdown Spectroscopy – Inductively Coupled Plasma – Mass Spectrometry (LA-LIBS-ICP-MS) system
- Proficient in Python and Swift
- Familiar with using an Electron Probe Micro-Analyser (EPMA)
- Familiar with SQL and R

Student Leadership

Louisiana State University

- Bengals In The Wild: Treasurer (Fall 2025 – Spring 2026)
- Geology Club: Secretary (Fall 2025 – Spring 2026)
- Tigers for Donating Life: Treasurer (Fall 2023 – Spring 2024)

Community Service

- Louisiana Arts and Science Museum (Fall 2021 – Spring 2022): Provided an active, welcoming, and reliable presence and service to visitors in museum galleries
- Scouting America (2015 – 2022): Achieved the Rank of Eagle in 2018. My Eagle Scout Project was performed for Our Lady of the Lake Children's Hospital in Baton Rouge, LA, to provide children with books, coloring supplies, and toys during their stay.

Interests and Hobbies

- Rock climbing
- Backpacking
- Camping
- Whitewater rafting