Michael Zane Bey

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EDUCATION

Rice University, Houston, TX — May 2026
Professional Master's, Energy Geoscience — GPA: 3.5/4.0

Tulane University, New Orleans, LA — May 2024
Bachelor of Science, Geology — GPA: 3.8/4.0

RELEVANT EXPERIENCE AND PROJECTS

Bowersox Exploration, LLC, — May 2025 - August 2025
Petroleum Geology Intern, Houston, TX

- Participate in the assessment of oil and gas exploration opportunities in South Texas with a potential of tens of thousands of barrels of oil. Interpreted 2D and 3D seismic data, well logs, core data, geological mapping in coordination with the land group on leases and mineral rights.
- Develop business cases for funding, and preparation for drilling activity.

Society of Independent Petroleum Earth Scientists, — June 2025 - Present
Editor of SIPES Houston Newsletter, Houston, TX

- Produce monthly newsletter.
- Attend SIPES board meetings and group events to learn latest industry news.

Imperial Barrel Award Competition, — January2025 - March 2025
3rd Place Rice University Team Member, Houston, TX

- Analyzed and assessed a petroleum exploration and development project in the Alaskan Bristol Bay region with the mentorship of Murphy Oil Corporation as part of a global hydrocarbon exploration competition representing Rice University.
- Performed petrophysical analysis for Bristol Bay Basin. Identified four-way and three-way closures through seismic interpretation. Used basin analysis and modeling to determine the geologic time period of thermal maturity. Calculated volumetrics and risk. Addressed critical sustainability aspects, including habitat assessment, hazard identification, risk mitigation, engagement with regulatory stakeholders, and analysis of environmental regulations.

Geological Society of America, — June 2023 - August 2023
Bureau of Land Management Field Office GeoCorps Intern, Carlsbad, NM

- Prepared Resource Management Plans (RMPs), Federal Land Policy and Management Act (FLPMAs) and Determinations of NEPA Adequacy (DNAs): Environmental Impact Statements (EIs), Environmental Assessments (EAs), Categorical Exclusions (CXs) documentation to assist in determining compliance with environmental laws, regulations, and policies in collaboration with specialists. Investigated, evaluated, and monitored permitting right of ways, land leases, trespass and non-compliance in an interdisciplinary position.
- Attended field site visits with specialty departments: realty, geology, hydrology, mining, natural resource, environmental protection, petroleum engineering, range, recreation, archeology, botany, cultural preservation, and wildlife.

Tulane University, — January 2022 - May 2023
Earth and Environmental Science Research Assistant, New Orleans, LA

- Identified and mapped mass wasting and geological formations on Venus using remote sensing synthetic aperture radar (SAR) technology and geographic information systems (GIS) technology.
- Provided weekly presentations and project updates to professor and graduate students on project findings related tectonic and volcanic activity.

Computer Skills: ArcGIS Pro, Excel, Google Earth, Kingdom, Petrel, Pure Data, Python, Synthetic Aperture Radar, and Zetaware Genesis.