
PROFESSIONAL EXPERIENCE

- Geophysical Intern, TDI-Brooks International, Inc., Feb 2022 – Sep 2022
- Texas A&M Galveston, Sept 2020 – April 2022
- Marine Technician, TDI Brooks International, Inc., September 2022 - Present

KEY ACHIEVEMENTS - TDI BROOKS INTERNATIONAL, INC.

Marine Geotechnician (May 2022 - Present)

- Box coring with vane shear testing of sediment
- Piston Coring
- Deployment of Side Scan Sonar/TVG/Sparker system

Geophysical Post-Processor (February 2022 - Present)

- Examination, processing, and interpretation of side scan sonar data
- Experience with the usage of Chesapeake Technology Inc® SonarWiz software
- Side scan sonar identification of seabed features through contact picking
- Experience with Multibeam processing with Qimera
- Experience with Backscatter processing with FMGT

Navigator (July 2022 - Present)

- Proficient with operation of Qinsy, GAPS, Innomar, and Norbit MBES systems as well as general troubleshooting.
- Proficient with WinFrog Navigation software
- Experience with Hull mounted 302 multibeam
- Proficient with Survey line planning and import/creation of new lines
- Experience with communication with bridge crew as well as PSO/FLO crew via radio
- Proficient with file management and data transfer during operations

FORMAL EDUCATION

- Texas A&M University at Galveston, Bachelor of Science, Marine Science, Minor in Geology, May 2022

KEY ACHIEVEMENTS – TEXAS A&M UNIVERSITY

Marine Science

- Assisted in sample and field collection for multiple local and international projects
- Worked closely with and aided research assistants and graduate students
- Processed different types of samples, including water and geological
- Managed samples for suspended sediment and radioisotopes

Galveston Bay Sediment Research Project

- Assisted in coordinating equipment preparation for coring cruises
- Collected sediment samples using multiple coring methods
- Analyzed and prepared samples for water content, grain size parameters, and total mercury content
- Wrote a project proposal, presented it, and currently writing an undergraduate thesis
- Compiled reports for a proposal, presentation, and now a thesis



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Richard Schenk

Geophysical & Geotechnical Intern

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FIELD EXPERIENCE

- Navigator, Geophysical acquisition, Attentive Energy LLC, United States Eastern Coast, R/V Emma McCall, October-November 2022
- Navigator, Geophysical acquisition, Attentive Energy LLC, United States Eastern Coast, R/V Brooks McCall, October-November 2022
- Navigator, Geophysical acquisition, BHP, Trinidad And Tobago, R/V Gyre, July-September 2022