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## PROFESSIONAL EXPERIENCE

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- Director of Geophysical Services, TDI Brooks International, Inc., 2019 - Present
- Owner, HMB GEO Solutions, 2018 - 2019
- Senior Data Processor, TDI Brooks International, January - April 2018
- Multibeam Project Manager/Technical Manager, Fugro Marine Geoservices, Inc., 2016 - 2018
- Geophysical Technical Coordinator, Fugro Geoservices, Inc., 2005-2016

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## PROFESSIONAL SUMMARY

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Over 15 years of experience in the installation, acquisition, and processing of high-resolution geophysical data and equipment (high resolution seismic, sonar, magnetometer, and multibeam bathymetric systems). Presents strong troubleshooting, research and development capabilities. Along with the above a strong commitment to safety is also expressed.

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## KEY ACHIEVEMENTS - TDI BROOKS INTERNATIONAL, INC.

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- Provide training and support to new hires
- Communicate and ensure understanding of functional or departmental goals
- Monitor individual and team metrics and performance versus target
- Ensure quality standards for all processes
- Evaluate overall team and individual performance and deliver performance reviews · Engage with other directors across the organization
- Provide reports on productivity and other performance indicators to management

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## KEY ACHIEVEMENTS - HMB GEO SOLUTIONS

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- Provide Geophysical data acquisition and processing services along with data QA\QC on a per contract basis.
- **January – February 2019** Seep Survey Dakar Senegal, RV GYRE, TDI-Brooks International, Senior Data Processor, responsible for data acquisition, QA\QC, and processing for multibeam data collected during offshore hydrocarbon seep survey.
- **November 2018** Autonomous Surface Vehicle (ASV) Data acquisition and Processing, L3 ASV Unmanned Marine Systems. Provided acquisition and processing assistance relating to equipment installed on an unmanned vessel.
- **October 2018** Kongsberg EM system mobilization and acceptance trials, RV Gyre, TDI- Brooks Inc. Provided mobilization assistance and conducted system acceptance trials, including; installation, calibrations and backscatter normalization.
- **July – September 2018** Coastal Virginia Offshore Wind, UXO Survey, Orsted, Client Representative, Data QA\QC to ensure contractual specifications are being met. Observe tasks being performed are upheld to the highest HSE standards.
- **May – July 2018** Bay State Wind, Orsted, Client Representative, Data QA\QC to ensure contractual specifications are being met. Observe tasks being performed are upheld to the highest HSE standards.

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## KEY ACHIEVEMENTS - FUGRO MARINE GEOSERVES, INC.

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- Assist with bidding and system evaluations relating to multibeam bathymetry projects.
- Participate as a team member on a dedicated mobilization team which requires travel to vessels for geophysical sensor installation and calibrations.
- Configure remote services for data acquisition and processing to reduce amount of vessel personnel and fully utilize shore-based processors.
- Participate in internal Confluence and JIRA activities ranging from information sharing to software bug reporting.
- Focal point for issues relating to processing software, create help tickets when needed for Caris, QPS Fledermaus, SonarWiz, and internal software.



**Brandt Broussard**  
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- Contributor to the SeaBed2030 program, organize data collected by various vessels. Interface with NOAA relating data transmittals and data structures. Create manifest files in md5 format to ensure proper delivery via FTP.
- Strong connection with internal development team with experience acting as product owner, taking products from innovation to implementation.

#### **KEY ACHIEVEMENTS - FUGRO GEOSERVICES, INC.**

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- Oversee installation, acquisition and processing of high-resolution geophysical equipment (high resolution seismic, sonar, magnetometer, multibeam bathymetric systems). Geotechnical sediment acquisition using piston, gravity, vibration, box corers, and ponar seafloor sediment sampling systems, BlueFin/Kongsberg AUV operation and maintenance.
- **2015 – 2017** TGS Gigante and OTOS, Gulf of Mexico surveys. Acted as senior data processor for a large portion of the survey. Upon transitioning from a field-based employee to office based, provided logistic assistance and remote troubleshooting for three vessels on project. QC Kongsberg EM sensor data collected with EM302 and EM122 systems. QC XBT and XSV data for real-time bathymetry refraction application via Kongsberg SIS.
- **2014** North Slope, Alaska, Liberty Island project. Provided shore-based assistance for vessel activities while acting as lead data processor providing data QC and processing for various geophysical data types.
- **2014** Shell Tool Brunup and SeaScan projects, provided installation and operation assistance for ROV based multibeam sonar systems. Participated in ROV/vessel mobilization and participated in data collection and processing activities.
- **2012** Nassau Bahamas, as a data processor and technical coordinator, participated in mobilization and operation of vessel/AUV mounted geophysical sensors. Provided quality control of geophysical data and interacted with client representative to provide information to assist with project execution.
- **2007 – 2012** Participated in multiple campaigns in Alaska ranging from Cook Inlet to the North Slope, in the role of technical coordinator and senior data processor. Provided quality control of geophysical data collection and participate in installation and operation various types of geophysical sensors.

#### **FORMAL EDUCATION**

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- 2016 Train the Trainer Certification, Louisiana State University
- 2012 Fundamentals of Supervision Certification, Louisiana State University

#### **PUBLICATIONS**

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- Coauthored [10b\\_Orange\\_and\\_Kennedy\\_FEMME\\_BS\\_Variations\\_due\\_to\\_Sector\\_Ping\\_Stbd-Port\\_Mode\\_and\\_Vessel\\_1\\_of\\_2.pdf](#)