

March 2023

**Core Competencies:**

- Professional, efficient and profitable manager
- Recognized communication skills with subordinates, management and owners
- Sustained track record of developing new talent and managing seasoned personnel
- Understanding project requirements and managing assignments to a profit
- Effective client project manager
- Demonstrated marketing ability and client retention
- Proficient with all Microsoft Office and Adobe Pro products

**Technical Competencies:**

- Ability to train personnel to exceed their current proficiency level
- Expert with all land based survey types such as boundary, topographic, engineering location, construction and special purpose surveys
- Highly developed competence with GPS (RTK and Post Processed), Robotic Total Stations, and Digital Levels
- Superior 3D Terrain Modeling skills to provide Design QA/QC and support Automated Machine Guidance Construction (Machine Control Construction)
- Office applications - AutoCAD, AutoCAD Civil 3D, Carlson Civil, Carlson Survey, Trimble Business Center, Topcon Tools, ArcGIS
- Field Applications – Carlson SurvCE, Trimble Access, Spectra Physics Survey Pro

**Career Highlights:**

- Developed advanced procedures and provided training in Global Positioning System applications, Robotic Total Station applications, Field Data Collection Integration and Automated AutoCAD based Mapping
- Right of Way Mapping Quality Control Surveyor (In-House land title review and boundary survey expert) for Turnpike District, FDOT
- Project Manager for the FDOT Statewide Civil Engineering Data, Geographic Information System Basemap consisting of 11,900 roadway centerline miles and 39,000 roadway lane miles
- Member, Expert Panel Review, Federal Transportation Review Board - Grant No. 10-77 “Automated Machine Guided Construction”, Iowa State University

**Professional Registration:**

Florida Professional Surveyor and Mapper LS-5104  
Florida Licensed Survey Business LB-8531  
North Carolina Professional Land Surveyor L-3368

**Work Experience:**

November 2022	Gulf Surveyors, Inc.
Present	Principal Surveyor/President Middleburg, FL

- 3D Construction Quality Modeling
- Global Positioning System (GPS) QA/QC and processing and training services
- Construction Quality Digital Terrain Modeling (DTM) training and development
- Robotic Total Station (RTS) field application training
- Construction plan QA/QC for DTM development
- Advanced field application training combining Real Time Kinematic (RTK) GPS and RTS in real time

- Automated mapping using Carlson SurvCE (data collection), Spectra Physics Survey Pro (data collection), AutoCAD and Carlson Survey/Carlson Civil

August 2021 Daniel E. Galbraith, PSM, PLS  
 November 2022 Florida Transportation Group, Survey Manager  
 GAI Consultants  
 Jacksonville, FL

- Reduced topographic field data review and processing in map production by as much as 75%:
  - Adopted new Carlson Software and their field to finish functionality.
  - Created FDOT compliant line patterning, symbol type and layer structure from FDOT published \*.Dwg template.
  - Taught field personnel correct FDOT compliant coding which also defines line types and data layers which automates the map production line work and symbol placement.
- Developed coincident 3D break line and 2D FDOT compliant patterned line field data collection procedure to:
  - Ensure a streamlined quality assurance/ quality control capability for topographic mapping.
  - Ensure a streamlined quality assurance/ quality control capability for 3D modeling.
  - Produce automated line work at nearly 100% completion for topographic data.
  - Provide automated and formatted text for critical elements in the survey, (i.e., drainage inverts, tops of manholes and concrete drainage structure, etc.).
- Taught tree coding procedures to field personnel for automatic tree tabulation by tree number, botanical name and trunk size by compliant field tree coding and the use of Carlson Tree Table functionality.
- Provided 3D modeling for roadway engineering design, development services and transportation group based on both in-house surveys and external surveys

Aug 2019 Professional Surveyor at Public Works, Engineering Division  
 May 2021 City of Jacksonville, FL

- Provide records research to requesting individuals to include, ownership, easements, determination of whether roads are publicly maintained or private roads, (etc.) using:
  - Former Records of the City of Jacksonville prior to the Great Fire of 1901
  - Current Records of the City of Jacksonville prior to consolidation with Duval County
  - Current Records of the consolidated City of Jacksonville/Duval County
- Maintain City of Jacksonville records pertaining to Road Right-of-Way mapping, City ordinances affecting city ownership (road right-of-way closures, abandonment of easements, (etc.)), new roads and whether they are accepted for maintenance or privately maintained and other minor types of records.
- Review and approve new Right-of-Way mapping and consultant prepared legal descriptions, prepare in-house legal descriptions for land purchase or easement acquisition for in-house Real Estate operations.
- Review field surveys and provide CAD drafted survey data to the in-house design staff.
- Currently developing Carlson Survey/Civil survey automation for the replacement of field survey processing software named AT-LAST (Automated Topo and Symbol Translator) which is soon to reach end of life as it is approximately 16 bit software and cannot be installed on our more modern 64 bit computers.

May 2018 Daniel E. Galbraith, Professional Land Surveyor  
 Aug 2019 Walla Walla, Washington

- Global Positioning System (GPS) QA/QC and processing and training services
- Construction Quality Digital Terrain Modeling (DTM) training and development
- Robotic Total Station (RTS) field application training
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- Automated mapping using Carlson SurvCE (data collection), Tripod Data System Survey Pro (data collection), AutoCAD and Carlson Survey/Carlson Civil

January 2018                      Survey Manager  
 May 2018                         White Shield, Inc.  
    Pasco, WA

- Assessed current surveying business practices and implemented corrections/improvements to increase efficiency
- Assessed current instrument condition, calibration/adjustment schedule and appearance which resulted in each instrument being sent in for major adjustment and/or repair and resulted in some instruments being identified as being in 'end of life' and taken out of operation
- Provided construction stakeout 3D modeling, stakeout point computation and served as party chief as needed
- Introduced firm to automated line work for their survey data collection

May 2017                         Daniel E. Galbraith, Professional Land Surveyor  
 January 2018                    Walla Walla, Washington

- Global Positioning System (GPS) QA/QC and processing and training services
- Construction Quality Digital Terrain Modeling (DTM) training and development
- Robotic Total Station (RTS) field application training
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January 2016                    Professional Land Surveyor GS-1373-12  
 May 2017                         U.S. Army, Corps of Engineers  
    Walla Walla, WA

- Served as the District's Professional Land Surveyor.

February 2014                   Civil Engineering Technician, GS-802-8  
 January 2016                   USDA Natural Resources Conservation Service  
    Palmetto, FL 34221

- Served as the area's surveying, mapping and 3-dimensional modeling technician.

August 2003                    Daniel E. Galbraith, Consulting Surveyor / Gulf Surveyors Group, Inc.  
 February 2014                   Apollo Beach, Florida

- Performed over 400 major and minor boundary surveys, as well as numerous specific purpose surveys (environmental surveys, tree location surveys, topographic surveys, minor construction stakeout, etc.)
- Provided Automated Machine Guidance Construction (Machine Control Construction) support to local engineering and construction firms.

- Machine Control Support and Project Surveyor for Tampa International Airport (TIA) Taxiway “W” - 2009
- One Man Robotic Horizontal and Vertical Construction Stakeout and Construction Quality Control University of South Florida St. Petersburg Parking Deck –2005
- Geodetic Survey to support IfSAR data analysis and Geoid separation in the State of Florida – 2005
- Complex Boundary Survey and Topographic Survey of the HARTLine Maintenance Facility Tampa Florida – 2006