

# BENJAMIN K. BAYLESS

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## OBJECTIVE

Greetings, I am a recent graduate from Texas A&M University, holding a master’s degree in geoscience with a specialization in GIS within the oil and gas sector. My passion for this field is unwavering, and I am actively expanding my expertise through additional GIS coursework in the TJC Surveying and Geomatics program where I work and training python in my free time. With a robust skill set over two decades, I bring experience in land surveying techniques, AutoCAD Civil drafting and design, GIS mapping, and project training. My proficiency is utilizing tools such as Civil 3D, Carlson Survey, Trimble Business Center (TBC), and ArcGIS Pro. I have worked for mostly oil and gas clients such as Anadarko, Chesapeake Energy, Resolute Energy, and Exxon Mobil. I successfully spearheaded the development of a small internal GIS database for a Houston survey company, providing them with enhanced tools for data search and management. I teach courses in AutoCAD, GIS, and GPS field work while also training interns and military vets at Sam Inc. My commitment to continuous improvement is evident in my recent pursuit of newly found skills in python programming, FME, and ArcGIS Pro model building.

## EDUCATION

<b>Masters of Geoscience, GIST</b> Texas A&M University, College Station, Texas	Dec 2023
<b>Bachelor of Science, Industrial Technology</b> University of Texas, Tyler, Texas	May 2010
<b>Associate in Surveying and Mapping Technology</b> Tyler Junior College, Tyler, Texas	May 2009

## EXPERIENCE

**CAD Training Instructor** August 2023 - Current

**Sam Inc** Houston, Texas

I started working as a remote contractor training new hires how to create final drawings for several types of surveys. It is part of a new program called Skill Bridge. This allows folks to start as an intern while in their final few months of active duty. These courses also include interns or new hires. The training courses are 3 weeks long. There are 2 sessions per summer for a total of 6 weeks.

Contact – Kelli Howard

### Skills

AutoCAD  
ArcGIS Pro  
Geodatabase Tools  
Carlson Survey  
Civil 3D  
SolidWorks  
Global Mapper  
Google Earth  
Leica Instruments  
Leica Cyclone  
Trimble Business  
TDS Rangers  
Foresight DXM  
Windows  
Adobe Software  
Bluebeam  
MS Office Suite  
Computer Repairs  
Smart Phone Repairs

### Certifications

Survey & Mapping  
SafeLand  
Pec Basics  
CPR

## **Surveying and Geomatics Instructor**

August 2018 - Current

### **Tyler Junior College** Tyler, Texas

Prepare lecture notes and exercise descriptions, teaching, supervising practical exercises and student projects, for the Engineering Design and Surveying students. The course subject consists of survey data collection, geo-data processing, topographic mapping, photo-and image mapping, geographic information systems, and civil engineering design procedures.

Contact – Willis Johnson

## **Project Manager / Senior CAD Technician**

July 2019 – Sep 2020

### **Prospect land Surveying**, Fort Worth, Texas

Prepare calcs and information for crews to complete fieldwork as needed. Analyzing and completing boundary work for main drawing and then handing off to RPLS for final review of project. Design and Draft preliminary pipeline routes to complete over all main drawing. Then drafting IFC, easement centerline plats and as-built (after-build) alignment sheets. Currently doing projects in Carlsbad, New Mexico, Midland, Texas and Martin County, Texas.

Contact – Will Beauchamp

## **CAD Team Coordinator / Senior Survey Technician**

April 2014 – April 2020

### **Transglobal Services, LLC**, Fort Worth, Texas

Managing a CAD drafting team for multiple clients to prepare easement documents, legal descriptions, final plat preparation, and construction staking & as-built alignment sheets. Draft prelim well plat layouts. Preparation of new blue-sky project seed file or work with an existing project seed file to run preliminary to completing final as-built alignment sheets. Worked with

Contact – Dempsey Hannah

## **Senior Survey Technician III / GIS Analyst**

September 2012 – April 2014

### **Harris County Engineering**, Houston, Texas

Created boundary drawings, topographical and ALTA/ACSM surveys for engineering design support; Coordinate system and datum transformations; data conversion including converting CAD data to GIS and vice versa; geodatabase creation from spatial and non-spatial data (such as legal documents); spatial and attribute editing; georeferencing; cartographic design and map making for a variety of print and electronic formats; .kml creation for use with Google Earth; spatial analysis including raster calculation and analysis; raster data download and processing.

Contact – John Blount – County Engineer

## **Engineering Design and Survey Drafting Instructor**

August 2009 - 2012

**Tyler Junior College** Tyler, Texas

Prepared lecture notes and exercise descriptions, teaching, supervising practical exercises and student projects, for the Engineering Design and Surveying students. The course subject consists of survey data collection, geo-data processing, topographic mapping, photo-and image mapping, geographic information systems, and civil engineering design procedures.

## **Project Coordinator, GIS Analyst, IT Support**

September 2008 –June 2012

**RMC Surveying**, Tyler, Texas

Created boundary drawings, topographical and ALTA/ACSM surveys for engineering design support and title insurance companies. Drafted well plats for proposed Oil and Gas pipeline layouts. As-built pipeline plating and composed field notes for Anadarko Company and Chesapeake Energy. Plotted deeds and analyzed boundary lines for field to finish completion. I project managed over individual clients consisting mostly of residential lot improvement surveys. Coordinate system and datum transformations; data conversion including converting CAD data to GIS and vice versa; geodatabase creation from spatial and non-spatial data (such as legal documents); spatial and attribute editing; digitizing; georeferencing; cartographic design and map making for a variety of print and electronic formats; .kml creation for use with Google Earth; spatial analysis including raster calculation and analysis; raster data download and processing. Managed any daily computer issues, software installation and upgrades, repair and install computer hardware. Set up and repair of company iPhone and Android smartphones.

Contact – Jamie Crawford

## **Survey Technician**

September 2001 – April 2007

**Robinson Surveying**, Houston, Texas

Developed site layout, grading, water, and sewer plans for commercial developments. Created drawings of boundary, topographical and ALTA/ACSM surveys for engineering design support and title insurance companies. Analyzed boundary lines for field to finish completion. Created well location plats. Project managed over individual clients consisting mostly of residential lot improvement surveys.

Contact – Ken Robinson

## **CAD Design and Owner**

October 1998 – June 2005

**Environmental Design Group**, Houston, Texas

On-site fieldwork (soil evaluations, survey property, inspect septic systems). Drafting (site plans, cross-section sheets, detail sheets). Reading plats, surveys, meets & bounds, flood maps, and other drawings for reference guides.