

EDUCATION

2004 **Bachelor of Science, Civil Engineering**
Florida State University, Tallahassee, Florida

EXPERIENCE

May 2018 to Present **Engineering Design and Testing Corp./EDT Engineers, P.C.**
Charlotte, North Carolina

Civil/Structural Engineer

Provide engineering services related to the damage analysis to structures, roofs and foundations, provide engineering opinions on causation, segregation and scope of damage; evaluation of soil settlement, soil erosion, ground subsidence, earthen slopes and retaining wall failures; conduct value of loss assessments, repair estimates and cost estimate review; analysis of hailstone impacts, wind forces and wind damage; determine cause and scope of moisture damage; evaluate buildings for code compliance; assess compliance with OSHA and ADA standards.

November 2017 to May 2018 **McCauley Engineering, PLLC**
Matthews, North Carolina

Principal and Founder

Started company focusing on environmental engineering, civil engineering, and facility compliance. Business development success in the utility, real estate development, and petroleum industries. Principle review and oversight of projects in North Carolina and South Carolina. Responsible for new lead development, project management, budget control, cost tracking, forecasting, and invoicing.

July 2016 to October 2017 **Geo-Technology Associates, Inc.**
Charlotte, North Carolina

Senior Engineer

Performed geotechnical analysis including subsurface explorations, shallow and deep foundation, slope stability, settlement, pavement evaluation and design, and retaining wall design. Maintained industrial facility compliance of stormwater runoff under General and Individual NPDES permits. Technical lead in development for the Property Condition Assessment (PCA) template standard for GTA at commercial, industrial, and retail sites in accordance with ASTM Standards. Train engineers to perform PCAs in a cost effective and timely manner. Professional engineer review of reports to ensure compliance with internal quality assurance standards and client expectations.

September 2013 to February 2016 **ATC Group Services f/k/a Environmental Compliance Services**
Charlotte, North Carolina

Senior Engineer

Principle review and oversight of projects in North Carolina and South Carolina. Responsible for project management, budget control, cost scheduling and resource

allocation, project cost tracking, forecasting, invoicing. Designed and implemented Remedial Action Plans including the construction and modification of remedial systems.

Provided technical supervision, regulatory support, and construction support from the field and office. Prepared Spill Prevention Control and Countermeasure (SPCC) plans, Storm Water Pollution Prevention Plans (SWPPP) and Integrated Contingency Plans (ICP).

January 2012
to July 2013

Engineering Consulting Services of Florida
West Palm Beach, Florida

Department Manager

Principal review and technical lead on environmental projects in the West Palm Beach office. Provided leadership and direction to environmental scientists in the West Palm Beach office. Performed multiple Phase I/II ESAs and PCAs for commercial developers, attorneys, industrial/petroleum facilities, and financial institutions. Coordinated, supervised, and managed engineering and design resources within project budget in support of project schedule. Performed dewatering calculations and created plans for large projects using Hazen's and Darcy's laws.

February 2007
to May 2011

Northstar Group Services, f/k/a WRS compass
Miami, Florida

Project Engineer

Managed projects (submit proposals, vendor management, invoicing) for site assessment, operation and maintenance, remedial action, land development, and roadway construction scopes. Designed water treatment systems utilizing power supply calculations, hydraulic and friction losses, airflow calculations, and off gas treatment analysis. Designed water, sanitary sewer, storm sewer, paving, and grading improvements. Performed site assessment activities which included groundwater, sediment, wastewater, and soil sampling and air monitoring. Performed pollutant storage tank installations and removals, and dispenser upgrades.

June 2005
to December 2006

BTEX Engineering
Delray Beach, Florida

Staff Engineer

Project management included proposal preparation, subcontractor coordination, and invoicing. Remedial Action Plan design for petroleum sites utilizing air sparging with soil vapor extraction, air sparging with dual phase extraction, biosparging with passive ventilation. Preparation of Construction Drawings and bid package. Report preparation and recommendations on site assessments and remedial action. Recommendations on engineering documents.

July 2004
to June 2005

Handex Consulting & Environmental
Delray Beach, Florida

Staff Engineer.

Assisted Project Managers in the investigation and remediation of petroleum contaminated retail gas stations. Reported preparation consisting of but not limited to historical summaries of previous activities at sites, data entry, delineating the extent of contamination plumes, determining groundwater flow direction. Supervised on-site activities including the installation of monitoring wells and GeoProbe investigations. Conducted on-site activities including groundwater sampling, soil sampling, pilot tests, surveying. Produced user friendly Excel spreadsheets for coworkers to utilize for fast and accurate results.

REGISTRATIONS and CERTIFICATIONS

Registered Professional Engineer in Florida (#71416)
Registered Professional Engineer in Georgia (#PE040464)
Registered Professional Engineer in Michigan (#6201061854)
Registered Professional Engineer in North Carolina (#040944)
Registered Professional Engineer in South Carolina (#31409)
Registered Professional Engineer in Texas (#118126)
Registered Professional Engineer in Virginia (#0402053291)
Certified Geo-Seal® Vapor Intrusion Barrier Inspector
Certified Pollutant Storage System Contractor, Florida (Inactive) (#PCC1256902)
National Council of Examiners for Engineering and Surveying Record (#55795)

PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers (ASCE)
Professional Engineers of North Carolina (PENC)

CONTINUING EDUCATION

2018 *Design of Small Water Systems*, Ezekiel Enterprises, LLC, New Smyrna Beach, FL
 Foundations in Expansive Soils, Ezekiel Enterprises, LLC, New Smyrna Beach, FL
 Good Business Practices, Ezekiel Enterprises, LLC, New Smyrna Beach, FL
 Guide to Government Contracting, Ezekiel Enterprises, LLC, New Smyrna Beach, FL
 NC – Laws, Rules, and Ethics for PEs, Ezekiel Enterprises, LLC, New Smyrna Beach, FL

2017 *An Understanding of GTA's New General Provisions*, GTA Associates, Waters Edge, MD
 CHANCE Helical Piles & Tieback Seminar, Foundation Technologies, Inc, Charlotte, NC
 Green Design: Brownfield Redevelopment, RedVector.com, Tampa, FL
 Green Infrastructure 2: Best Practices for Site Assessment, RedVector.com, Tampa, FL
 Hazardous Waste Essentials, RedVector.com, Tampa, FL
 Hydrology Primer for Engineers and Design Professionals, RedVector.com, Tampa, FL
 Review of Key 2016 Projects and Lessons Learned, GTA Associates, Waters Edge, MD
 Time Management: Who's Got the Monkey, GTA Associates, Inc, Waters Edge, MD
 2014 Florida Building Code® Advanced 5th Edition: Significant Changes to the Building Code – Internet,
 RedVector.com, Tampa, FL
 Ethical Decision Making for Engineers #2, RedVector.com, Tampa, FL
 Environmental Risks in Construction, RedVector.com, Tampa, FL
 Florida Engineering Laws and Rules, RedVector.com, Tampa, FL

2016 *Hazardous Waste: The Basics*, RedVector.com, Tampa, FL
 Hazardous Waste: Treatment, RedVector.com, Tampa, FL
 In Situ Remediation Technologies for Contaminated Soils, RedVector.com, Tampa, FL
 Remediation Workshop, Remediation Workshop, Charlotte, NC

2015 *Ethics for the Practicing Engineer – An Introduction*, RedVector.com, Tampa, FL

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- Fracking: The Operations*, RedVector.com, Tampa, FL
Remediation Workshop, Remediation Workshop, Charlotte, NC
- 2014 *Basics of Water Resources: Groundwater Contamination*, RedVector.com, Tampa, FL
Business Management: Brief Overview, RedVector.com, Tampa, FL
Florida Engineers' Laws and Rules V.13, RedVector.com, Tampa, FL
Fracking: Environmental Consequences, RedVector.com, Tampa, FL
Green Building Materials: Product Selection & Specification, RedVector.com, Tampa, FL
Green Design: Introduction to Sustainability/Measurement Systems, RedVector.com, Tampa, FL
Green Design: Introduction to Sustainable Site, RedVector.com, Tampa, FL
Groundwater for Engineers and Scientists, RedVector.com, Tampa, FL
Safety: Trades, RedVector.com, Tampa, FL
- 2013 *Florida Engineers' Laws and Rules [V.11]*, RedVector.com, Tampa, FL
Groundwater Remediation, RedVector.com, Tampa, FL
Water Well Design, RedVector.com, Tampa, FL
- 2012 *Heavy Construction Equipment Basics – Earthmoving & Excavating*, RedVector.com, Tampa, FL
Heavy Construction Equipment Basics – Lifting, RedVector.com, Tampa, FL
Preventing and Investigating Accidents, RedVector.com, Tampa, FL