

JOSHUA R. LLOYD, PE

SGS TEC Services Inc.

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Education

BS Civil Engineering Technology, Georgia Southern University, 2011 (Cum Laude)

Professional Registration and Memberships

Professional Engineer Since 2018

PA #088740

GA #045503

FL #89921

International Concrete Repair Institute (ICRI)

Sub-Committee Chair of 320 Committee

Sub-Committee Chair of Membership Committee

Voting Member of Education Committee

ICRI Georgia Chapter

Board of Directors, Since 2014

Chapter President, 2017 & 2018

Certifications:

ACI Field Technician Level 1 (expired)

ICRI Concrete Surface Repair Technician (CSRT) Tier 1

Introduction to Safety Inspection of In-Service Bridges (National Highway Institute)

Career Summary

Staff Engineer - TEC Services, Inc.

January 2012 to April 2013

- Performed general structural condition assessments of multiple non-essential structures and structural elements (facades, connections, shoring)
- Prepared hand sketched details and CAD drawn construction drawings for Principal review, revision, and issuance for construction.
- forensic evaluation of structural members that were deteriorated, and designed repairs for structural members with direct supervision by a Registered Professional Engineer.

Project Engineer - William J Peltier and Associates

April 2013 to October 2013

- Responsible for the primary design of non-essential single-story commercial facilities constructed of concrete, masonry and steel materials. Examples are Kauffman tire, Zaxby's, and Mellow mushroom. Designs were reviewed by Principal Engineer.
- Lead the structural modeling of a metro Atlanta Middle School using Tekla FastTrac (Trimble Structural Designer).

Senior Engineer - TEC Services, Inc.

October 2013 to June 2018

- Lead the development and training of our non-destructive testing and forensic evaluation team, increasing efficiency and effectiveness on concrete repair assessment and design projects.
- Lead a 1+ million-dollar balcony restoration project, including forensic evaluation of concrete balconies, development of concrete repair details, bidding to contractors, and inspection services for the entire project.

Project Manager - Engineered Restorations, Inc.

June 2018 to August 2019

- Collaborated with structural engineers to recommend changes to structural details for construction projects.
- Performed analysis of shoring and formwork for concrete repair projects.
- Lead the review of carbon fiber strengthening projects for initial design assessment, take-offs, and estimating, and management of construction.

Engineering Department Manager - SGS TEC Services, Inc.

August 2019 to Present

- Review and approve of all engineering assessment report, design calculations, analysis, and drawings for bidding/construction.
- Leading our professional team to develop educational presentations for ACI, ICRI, and universities to develop awareness of and the best practices for structural evaluations and restoration.
- Structural review of laboratory testing frames for structural integrity and acceptance with ASTM and industry standards.
- Lead engineer for our non-essential structural engineering department that continues to specialize in general condition assessment of facilities, buildings, parking garages, and waste/water treatment facilities
- Lead the design of and construction of multiple life safety roof anchorage projects, including certification testing. Oversee and perform calculations, field testing, and construction administration to meet OSHA and IWCA requirements for tie offs.