

YOUR R. NAME

QUALIFICATIONS:

- CA registered PE, Cert. # C 57843.
- STAAD, GTStrudl, Frameworks, MicroStation 2D, 3D, IRASb, AutoCAD, Mathcad, Primavera P3, Adobe Photoshop, MS Office, NASTRAN v68, Unix, Xwindows.

INDUSTRIES:

- Nuclear, Telecom, Mining and Metals, Government, Military.

WORK EXPERIENCE:

March 2017 to Present

Savannah River Nuclear Solutions

Structural Analyst

- Provided constructability reviews on the Surplus Plutonium Disposition Project Conceptual Design. Performed detail design activities for the L-Area Disassembly HVAC system using STAAD and Mathcad. Provided design services for A-Area, F-Area, H-Area, K-Area, and S-Area facility modifications.

June 2016 to March 2017

Westinghouse Electric Company

Principal Engineer

- Performed site engineering services to support the construction of Vogtle Units 3&4. Provided Responsible Engineer and Verifier duties in the production of design amendments including change forms and nonconformance reports.

October 2012 to June 2016

Westinghouse Electric Company

Principal Engineer

- Performed site engineering services to support the construction of Vogtle Units 3&4. Provided Responsible Engineer and Verifier duties in the production of design amendments including change forms and nonconformance reports.

August 2008 to October 2012

Savannah River Nuclear Solutions

Senior Engineer

- Performed Conceptual Design, Detail Design, and Construction Support.

December 1998 to July 2008

Bechtel Savannah River Inc.

Senior Engineer

- Graduate of Rotation Program, a 3-year employee development program in the areas of project controls and construction. (2002 through 2005)

April 1998 to November 1998

Bechtel Corporation

Structural Engineer

- Experience in structural design work for process buildings at mining facilities. Design experience included concrete foundation work, FRP design, and steel design.

June 1996 to April 1998

Bechtel Corporation

Engineering Contract Manager

- Experience in managing the work performed by 5 local A&E firms installing wireless PCS sites. This work included directing design work, resolving design issues with the customer, and obtaining building permits in the Minneapolis-St. Paul metropolitan area. Related experience includes AutoCAD, MicroStation, Photoshop, authorization of work and invoices using Access, Excel, and Word.

September 1994 to June 1996

Auburn University

Research Assistant

- Participated in research to improve AASHTO provisions for the design of Curved Bridges. Used NASTRAN v68 for creating finite element models for buckling and nonlinear analysis.

November 1991 to September 1994

Bechtel Savannah River Inc.

Civil Engineer

- Originated designs of steel buildings, concrete structures, and roof structures. Provided design changes to meet field conditions. Applications used include Mathcad, STAAD III, BSAP, WordPerfect, Lotus, Windows software, and CADD programs.

US ARMY RESERVES:

February 1986 to November 1991

U.S. Army Reserves: A Co. 820th Engr Bn (C) (C)

Sergeant

EDUCATION:

- M.S. Civil Engineering; Auburn University; June 10, 1996.
- B.S. Civil Engineering; University of California at Berkeley; August 1991.

Related Courses:

- Graduate: Analysis of Structural Plate Systems; Applied Elasticity; Finite Element Analysis; Mechanical Vibrations; Finite Element Methods I; Advanced Stress Analysis; Mechanical Vibration and Stability of Discrete Systems; Stability of Structures I & II.

PUBLICATIONS:

- "Analytical Model of Curved I-Girder Web Panels Subjected to Bending", J. Bridge Engrg., Volume 4, Issue 3, pp. 204-212 (August 1999).
- "Finite Displacement Behavior of Curved I-Girder Webs Subjected to Bending", J. Bridge Engrg., Volume 4, Issue 3, pp. 213-220 (August 1999).
- "Behavior of Curved I-Girder Webs Subjected to Combined Bending and Shear", J. Bridge Engrg., Volume 5, Issue 2, pp. 165-170 (May 2000).

- “Effects of Longitudinal Stiffeners on Curved I-Girder Webs”, J. Bridge Engrg., Volume 5, Issue 2, pp. 171-178 (May 2000).

CODES USED:

- AA ADM (Aluminum Design Manual).
- ACI 318, Building Code Requirements for Structural Concrete.
- ACI 349, Code Requirements for Nuclear Safety Related Concrete Structures.
- ACI 360: Design of Slabs on Grade.
- AISC 360: Specification for Structural Steel Buildings.
- AISC 303, Code of Standard Practice.
- ANSI/TIA 222-2005 (222-G), Structural Standard for Antenna Supporting Structures and Antennas.
- ASCE 7: Minimum Design Loads for Buildings and Other Structures.
- ASCE 4-98 (REV 2000): Seismic Analysis of Safety Related Nuclear Structures.
- DOE-STD-1020-2002, Natural Phenomena Hazards Design and Evaluation Criteria for Department of Energy Facilities.
- IBC: International Building Code.
- ASME NQA-1.

OTHER:

- DOE Q-clearance.