

OBJECTIVE: To obtain a full time position in the field of structural/bridge engineering.

- ✓ **Talented professional structural engineer** with 6 years of experience in civil engineering.
- ✓ **Articulate communicator** skilled in delivering insightful presentations and strengthening relationships with business partners, peers and senior leadership.
- ✓ **Proven** experience and academically trained in:
 - Design of structures
 - Development of schematic and PS&E
 - Stress analysis
 - Finite element method
 - Finite element software platforms
 - Proposal and results preparation

EDUCATION

MASTER OF SCIENCE (CIVIL ENGINEERING), 2014-2016

UNIVERSITY OF HOUSTON, Houston, TX

MASTER OF SCIENCE (GEOTECHNICAL ENGINEERING), 2009-2012

UNIVERSITY OF TEHRAN, Tehran, Iran

BACHELOR OF SCIENCE (CIVIL ENGINEERING), 2005-2009

UNIVERSITY OF TABRIZ, Tabriz, Iran

Relevant Coursework: Bridge Design, Finite Element Analysis (FEA), Advanced Steel Design, Advance Mechanics of Materials, Behavior and Design of Prestress concrete, Stability of Structures, Advanced Behavior of Reinforced Concrete, Earthquake Engineering, Advanced Foundation Design, Advanced Soil Mechanics.

PROFESSIONAL EXPERIENCE

I.S. ENGINEERS, Houston, TX • June 2015-Present

PROJECT ENGINEER

Involved in roadway and structural design, the development of schematics and PS&E, and preparation of project reports, RFI's, progress reports for:

- **IH 30 from Linkcrest Drive to IH 820, TxDOT Fort Worth District, Fort Worth, TX-** Project Engineer for designing of six mainlane bridges, three side street bridges over IH 30 and a direct connector, a total of 25 concrete I-girder spans and MSE walls.
- **SH 63 / LA 8 at Sabine River, TxDOT Beaumont District, TX-** Project Engineer for designing of a new 900' relief bridge consists of eight concrete I-girder spans and TCP phasing.
- **Holderrieth Road from SH 249 NBFR to Hufsmith-Kohrville Road, Harris County, TX –** Project Engineer for designing two new 120' bridges consist of three concrete slab-beam spans.
- **IH 30 from Linkcrest Drive to IH 820, TxDOT Fort Worth District, Fort Worth, TX-** Project Engineer for schematic design of five mainlane bridges, five side street bridges over IH 30 and a direct connector.
- **FM 1960 Reconstruction and Widening – TxDOT Houston District, Atascosita, TX-** Project Engineer for designing of a new 2160' bypass bridge consists of 17 spans including 14 concrete U-beam spans and 3 steel tub girder spans, new HCFCD Rogers Gully replacement bridge and MSE walls.
- **IH 35W Segment 3C – TxDOT Ft. Worth District, TX-** Project Engineer for analyzing the two constructed post-tensioned straddle bents for northbound IH35W exit ramps from managed lane which showed some cracks along the caps.
- **University Boulevard and Monarch Drive – City of Sugar Land, TX –** Project Engineer for designing a 46ft long and 2ft high wall in the existing median island to discourage illegal maneuvers at the intersection.
- **IH 10 Widening – TxDOT Beaumont District, TX-** Project Engineer for designing a 550-ft long soil nail wall and developing the corresponding sheets including P&P, typical section, soil nail layout and detail sheets.
- **US 87 Widening – TxDOT Yoakum District, TX-** Project Engineer for widening an existing culvert and producing corresponding sheets including bridge layout, demolition details and structural details sheets.
- **US Hwy 90A & SH 6 Traffic Signal Pole Foundation – City of Sugar Land, TX –** Project Engineer for analyzing a damaged traffic signal pole foundation and recommend a foundation repair using CFRP.
- **Chatham Ave & New Territory Blvd Intersection Traffic Signal Pole – City of Sugar Land, TX –** Project Engineer for analyzing the existing traffic signal pole and foundation with 36 ft mast arm and recommend any required modifications for the proposed 40 ft mast arm.

PROFESSIONAL MEMBERSHIPS

- American Institute of Steel Construction (AISC)
- American Society of Civil Engineers (ASCE)

TECHNICAL SKILLS

Software/Program:

- Technical Software: MicroStation Geopak, PGSuper, VBent, DESCUS I & II, BGS, CAP18, RISA 3D, SAP2000, ETABS, SNAP-2
- Programming Languages: FORTRAN, MATLAB

CERTIFICATES

- Professional Engineer (PE), Texas #132306

Nov. 2018