Marzieh Mirmobini

Civil Engineering | Emphasis in Structural Engineering

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EDUCATION:

University of California, Berkeley: B.S, Civil and Environmental Engineering

GPA: 3.61   Aug 2015-Dec 2020

Coursework: Concrete and Sustainability, Structural Engineering, Engineering Dynamics and Vibrations, Design of Steel Structure, Engineering Data Analyzes (MATLAB, Python), Project Management, Entrepreneurship

WORK EXPERIENCE:

Project Estimator, Brosamer & Wall Inc. | Walnut Creek   Apr 2021 – October 2021

Multiple Federal and State Project | Budget: $70-$300 Million

- Prepare detailed cost estimates by analyzing plans and specifications and performing quantity take-offs for select trades
- Itemize trade specific scopes and prepare bid packages
- Obtaining bids from subcontractors by providing and/or specifying the required scope of work, materials, and time for performance

Project Engineer Intern, Truebeck Construction | San Francisco   June 2020 – Sep 2020

Uber Mission Bay Project | Budget: $500 Million - 423,000 SF

- Worked with construction administration consultants to plan field observations on schedule
- Monitored project progress updates through StrcutionSite on a routine basis against established scope and schedule to manage fine details of a large project
- Prepared and issued change order on Procore based on subcontractor's provided billing package
- Managed submittal log and performed a preliminary review to ensure compliance with the construction drawings and specifications

RESEARCH EXPERIENCE:

Caltrans Arched Bridge Single-Column Research Under Professor Jack Moehle   August 2019 -May 2020

- Tested concrete cylinder's specimen, and cumulation of compressive strength and elastic modulus data
- Installed steel rebars and analyzed data to figure the behavior of column under compressive strength

Concrete Engineering Research Assistant Under Professor Paulo Monteiro   Dec 2018 – Jan 2020

- Assisted in the research project with setting up and performing method development of different cement blend to provide more economical and environmentally friendly concrete
- Evaluated of compressive strength test and chloride penetration test

SKILLS:

- Experience with SAP2000, RISA, SketchUp, BIM 360 software, Rhino, VRay, and Procore
- High quality drawing by using computer drawing software (AutoCAD, Autodesk, Revit)
- Ability to work within a team to develop project plans and strong communicate with clients
- Proficient user of Microsoft Office (Excel, Word, PowerPoint) for +10 years, and Bluebeam