

EDGAR RUIZ DIAZ (EIT)

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Education

B.S. Civil Engineering | California State University Fullerton

Fall 2020

Experience

EIT civil engineering LIC # 173192

Sapphire Chandelier

Assistant Drafter / January-June 2019

- Assistant drafter in creating 3D models for different chandeliers and lighting structures
- Responsible for drafting the supporting members and connections using SolidWorks and AutoCAD

Quality Tutoring Service

Tutor / August-December 2019

- Provide academic assistance for students K-12 and College Students
- Adapt teaching style to unique needs of students
- Subjects include English, geometry, algebra, calculus, physics, and chemistry

Projects

Two Story House Design | Structural Wood Design

- Worked as a project lead of a five-member student group to develop and design a two-story prestressed parking structure
- Correctly calculated wind and seismic loadings
- Completed schedule as well as shear wall, and diaphragm design
- Successfully drew floor plan using AutoCAD

Prestressed Parking Structure Design | Prestressed Concrete Design Course project

- Worked with a team of five members to develop and design a five-story prestressed parking structure
- Designed Post-tension rectangular beams by satisfying minimum demand requirements, as well as anchorage design
- Successfully designed double T prestressed beams using MS Excel for calculations and organization.

Reinforced Concrete Structure Design | Reinforced Concrete Design Course project

- Worked with a team of 5 members to develop and design a four story R.C. structure
- Fully flexural design for rectangular beam, development length, and shear reinforcement design.
- Drafted full construction schedule using Auto Cad

Skills

Computer skills: ETABS, AutoCAD, SolidWorks, SAP, STAAD, RAM Structural System, C++, MS Excel, MS word, and MS PowerPoint

Bilingual: Spanish and English