Michael Torres

Senior Structural Engineer

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SKILLS

- Structural Design
- Seismic Design
- ETABS
- SAP2000
- RAM
- RISA
- IBC
- AISC
- Nonlinear Analysis
- Communication Skills

EDUCATION

Master of Science 06/2016

University of California, Los Angeles

Los Angeles, CA

Structural Engineering

CERTIFICATES

Structural Engineer (SE) License

2021

California Board for Professional Engineers, Land Surveyors, and Geologists

Professional Engineer (PE), Civil

2019

California Board for Professional Engineers, Land Surveyors, and Geologists

SUMMARY

Senior structural engineer with 10 years of structural engineering experience on high-rise, healthcare and seismic retrofit projects in California. Holds PE and SE licenses, leads structural design in ETABS, SAP2000 and RAM to IBC, ASCE 7 and AISC 341, and mentors a team of 4 engineers.

EXPERIENCE

Senior Structural Engineer 01/2021 - Present

Pacific Crest Structural Engineers Los Angeles, CA

Structural firm of 120 staff known for seismic design and hospital work.

- Lead structural design on **$400M** of projects, including a 32-story residential tower and 2 HCAI hospital wings.
- Develop nonlinear and response spectrum analysis in ETABS and SAP2000 for steel and concrete lateral systems.
- Review calculations, drawings and specifications from 4 engineers before every submittal.
- Present design options and costs to owners and architects, saving $2.1M in steel on one tower.
- Mentor 4 engineers through PE exam preparation, with 3 passing on the first attempt.

Structural Engineer 06/2016 - 12/2020

Golden State Engineering Pasadena, CA

Building design and seismic retrofit firm.

- Designed seismic retrofits for 25 non-ductile concrete and soft-story buildings.
- Modeled 30 buildings in RAM, RISA and ETABS for gravity and lateral design.
- Managed construction administration for 10 projects, closing 600 RFIs and submittals.