

Seeking structural designers and interns

Our firm

At Maffei Structural Engineering, we enjoy a collaborative work culture and are committed to growing a practice that embraces both design and research.

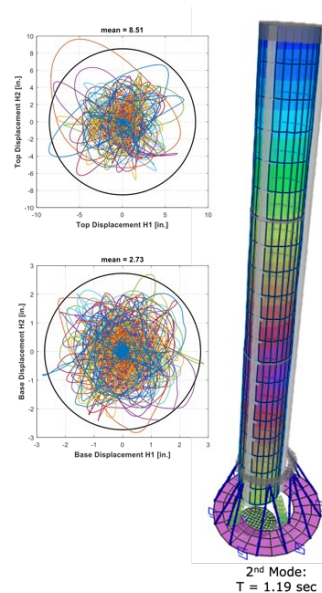
We are a small and growing firm and we love to investigate, ask questions, and re-think challenging issues in structural engineering, leading to efficient solutions and resilient structures and communities.

Our work is a balance of seismic evaluation, new building and retrofit design, expert review, and engineering research. We are industry leaders in advanced seismic analysis, performance-based design, tall buildings, and renewable energy structures.

With our pioneering work in solar energy structures, and as signatories to the SE 2050 pledge, we are committed to environmentally sustainable design and construction.

Our unique benefits include:

- Competitive salaries; Paid time off for volunteering
- Matching of employee charitable donations
- Socially screened (and conventional) 401k investment options, with company matching
- A philosophy of continuous learning including regular feedback check-ins for team members, and support for conferences, seminars, and publications



Position and qualifications

We are looking for smart and enthusiastic engineers to join our team. You will work closely with team members on projects ranging from new building and seismic retrofit design to advanced analysis and peer review. Curiosity, an eagerness to learn, and willingness to ask questions is considered valuable.

Qualifications for externs (3 days paid):

- In freshman year or higher in a Civil/Structural Engineering program.
- Curious about the Engineering profession and working in the industry.

Qualifications for interns (10 paid weeks spring or summer):

- Completion of junior or senior year of undergraduate degree, or in process of obtaining graduate degree, in Civil/Structural Engineering.
- Eager to ask questions and learn.

Additional qualifications for structural designers (full-time position):

- Master's degree in Structural Engineering.
- Skills in teamwork, organization, and communication.
- Previous work experience, including volunteering or internships, is desirable.

To apply

Please send a cover letter, resume, names and contact information for three references, and a copy of your transcript (unofficial version OK) to Marty McDonough at careers@maffei-structure.com. For more information, see our website at maffei-structure.com/join.

Diversity

Maffei Structural Engineering is an equal opportunity employer. We welcome applications from individuals who identify with groups that are underrepresented in structural engineering.



STRUCTURAL ENGINEERING

About us

Our values include technical excellence, continuous learning, active listening, taking initiative, having fun, and welcoming diverse viewpoints.

We pride ourselves on our teamwork and collegial atmosphere. Our small company culture fosters flexibility such that we can all find ways to thrive and work to build our company. Our team members are dedicated to doing good work and having fun together while doing it.

As a starting engineer, you'll work on a wide variety of projects and will have the flexibility to grow in your technical skills, as well as in marketing, presentation, and project management. New structural designers and interns participate in a structured program of learning activities including scheduled weekly lunches with the firm's senior engineers, Young Engineers' meetings for fun and learning, and an assigned mentor.

Learn more at: maffe-structure.com



Joe Maffei

Founding Principal | SE, PhD, LEED AP

Joe waited until his boys reached first grade before teaching them the term "play hooky."



Karl Telleen

Associate Principal | SE, LEED AP

Karl swam from Alcatraz without a wetsuit once. Once was enough.



Lawrence Burkett

Senior Technical Specialist

During the summer months, Lawrence enjoys searching the Sierras for hidden swimming holes.



Maggie Fleming

Accounting Manager

Maggie loves baking and accounting—both depend on accuracy and attention to detail for sweet success.



Ethan Chiu

Structural Designer

Ethan views sneakers like he views the ductility of buildings. You can never have enough.



Sebastian Teodoro

Structural Designer

Sebastian once performed in Disneyland playing the saxophone.



Ian Bennett

Senior Technical Specialist

Ian loves cycling. Up and down mountains, to work, to his kids' schools, pretty much everywhere.



We are committed to achieving a diverse environment in our firm. To cultivate belonging among our talented team members, we provide tailored mentorship, 360-degree-feedback sessions, team activities, and supported volunteer opportunities.



Noelle Yuen

Principal | SE

Noelle's happy place is sitting with her feet in the waters of a Sierra creek and reading a good book.



Andreas Schellenberg

Associate Principal | PE, PhD

Andreas builds pirate-forts for his daughters and beehives for his wife. He is allergic to bees but not pirates.



Rob Ward

Senior Engineer | SE

Rob once marched through Vienna playing a trombone.



Marty McDonough

Project Engineer – Structures | PE

Marty once learned how to ride his bike without using hands or feet at the same time.



Sarah Chen

Project Engineer – Structures | PE

Sarah enjoys playing Dungeons & Dragons. She loves adventuring and solving puzzles with her party members.



Tracy Tanusi

Project Engineer – Structures | PE

Tracy considers it her personal mission to save dying houseplants and raise new ones.



UCSF Health Science Instruction and Research



eBay Battery Building



Transbay Block 9



Tsunami Wave Basin Laboratory

On the boards

Our project backlog is healthy in both volume and diversity of work. We are excited about these current and upcoming projects.

Design of new buildings and seismic retrofitting

- Design and construction administration of data center buildings.
- Retrofit design and construction administration of the 16-story UCSF Health Sciences laboratory buildings, using fluid viscous dampers and probabilistic performance-based assessment.
- Design and construction administration for long-span space truss roofs over large assembly spaces.
- Design and construction administration of repairs and new structures for the San Francisco Public Utilities Commission.
- Evaluation and design of an existing 1918 30-span concrete bridge at a dam in the Hetch Hetchy system.

Seismic evaluation

- Seismic evaluations of buildings nationwide for the US Fish and Wildlife Service.
- Seismic evaluation and conceptual retrofit design for pedestrian bridges at UC Santa Cruz.
- Seismic evaluations and retrofits for PG&E structures.

Peer review and plan check

- Peer review of tall buildings ranging from 350 ft. to 620 ft. in height, reviewing nonlinear analysis and performance-based requirements.
- Structural plan check for projects ranging from high-rises to emergency tents for COVID-19 testing.
- Peer review of student housing projects at CSU and UC campuses.

Research, earthquake ground motions, and solar energy structures

- Leading the technical development for the City of San Francisco's concrete building safety program.
- Evaluating solar energy sites for San Francisco's renewable energy initiative, reviewing building roof capacities and establishing structural criteria.
- Peer review of wind tunnel testing for rooftop, ground-mounted, and tracking solar structures.
- Establishing seismic standards for hi-tech clients.
- Consulting on hydro-dynamic hybrid analysis and testing of tsunami effects.
- Development of improved ground motion selection and scaling for nonlinear analysis.