



Malia Sharp

EIT, MS, BS

Senior Associate

Department

Engineering Services

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Locations

Honolulu, HI

Biography

Malia Sharp is a Senior Associate focused on forensic engineering, with a strong background in structural systems and building performance. Ms. Sharp holds a master's degree in Structural Engineering, Mechanics, and Materials from the University of California, Berkeley, and a bachelor's degree in Architectural Engineering from the University of Colorado Boulder. Before transitioning to forensic work with YA Engineering Services, she served as a Façade Engineer on complex, high-profile projects, where she specialized in 3D structural modeling, interface detailing, field investigations, and reviewing construction documents.

Credentials

- EIT | Engineer in Training
- MS | Structural Engineering
- BS | Architectural Engineering
- LEED Green Associate
- FAA Certified Drone Pilot

Representative Consulting Assignments

- Commercial | Hayward, CA | Plumbing Damage Assessment | Assessment of peak particle velocity (PPV) effects on plumbing systems due to adjacent construction activity
- High-rise Residential | Naples, FL | Hurricane Damage Assessment | Evaluation of damage to various high-rise condominium buildings from Hurricane Milton including interior moisture intrusion and wind damage to roofing and facades
- Residential | Stockton, CA | Slab Damage Assessment | Foundation elevation surveying using a high precision altimeter to assess differential foundation movement
- Residential | Los Angeles, CA | Fire Damage Assessment | Evaluation of multiple residential structures impacted by the Palisades Fire

Professional Experience

- 2024 - Current | Senior Associate | YA Engineering Services
- 2021 - 2022 | Facade Engineer | Thornton Tomasetti

Area of Practice

- Building Envelope
- Building Code Upgrade Review
- Structural Analysis
- Sustainability
- Damage Assessment
- Water Leakage Testing and Analysis

Education

- University of California Berkeley - Master of Science - Structural Engineering, Mechanics and Materials - Berkeley - California
- University of Colorado Boulder - Bachelor of Science - Architectural Engineering - Boulder - Colorado

Licenses

- 175566 - California - Engineer in Training