

## Jarom Feriante | Senior Forensic Engineer, PE

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### Professional Summary:

Jarom Feriante is a registered professional engineer (civil) who joined EFI Global in August 2023. Prior to EFI, Jarom worked for family-based companies in California's Silicon Valley, designing and contracting custom homes, residential/commercial roofing systems, HVAC systems, and photovoltaic solar electric generation systems. Jarom also worked as an innovation advisor for Chevron, based in Houston, leading renewable power and water treatment projects integrated with oil and gas production facilities. Jarom is a LEED accredited professional, general contractor, and licensed in specialty trades of concrete, glazing, HVAC, solar, and electrical.

His general range of expertise include:

- Forensic Civil/Structural Investigations
- Analysis, Design, Retrofit and/or Construction Methods
  - Wood Structures
  - Light Gauge Steel Structures
  - Reinforced Concrete Structures
  - Masonry Structures
  - Foundations
  - Photovoltaic Solar Systems
  - Hot Water Solar Systems
  - Residential Electrical
  - Residential & Light Commercial HVAC Systems
  - Residential Glazing and Fenestration Systems
  - Below Grade Waterproofing and Drainage Systems
  - Roof Systems
  - Wall Systems
  - Oil & Gas Water Treatment Systems
  - Renewable Power Integration at Oil & Gas Facilities
- Engineering Project Management
- Construction Cost Estimating
- Construction Management
- Construction Inspections

### Licenses and Certifications:

Professional Engineer, Alabama, License #PE53251

Professional Engineer, Arizona, License # 80436

Professional Engineer, California, License #95027

Professional Engineer, Colorado, License # PE.0063874

Professional Engineer, Florida, License # 98017

Professional Engineer, Georgia, License #PE051193

Professional Engineer, Kentucky, License #39275

Professional Engineer, Louisiana, License # PE.0048474

Professional Engineer, Mississippi, License #34444

Professional Engineer, New Mexico, License #29682

Professional Engineer, Tennessee, License #128821

Professional Engineer, Texas, License # PE 151046

Professional Engineer, Utah, License # 2774544-2202

NCEES Record Holder, 22-269-62

LEED Accredited Professional (LEED AP), 0010340339

General Building Contractor, California, License 873578

Glazing Specialty Contractor (C-17), California, License 873578

Electrical Specialty Contractor (C-10), California, License 873578

HVAC Specialty Contractor (C-20), California, License 873578

Concrete Specialty Contractor (C-8), California, License 873578

Solar Specialty Contractor (C-46), California, License 873578

### Project Experience:

#### **Tornado Damage Assessments, Middle TN - Various**

Determine cause of damage and recommend repair methodologies at light wood frame residential and commercial tilt-up, steel frame, and CMU structures impacted by tornados. Assess existing conditions, structural deficiencies, and tornado impacts. Recommend restoration scopes of work. Advise subrogation stakeholders.

#### **Earthquake Assessment, Thousand Oaks, CA**

Determine cause of reported cracks in a residential property's dwelling walls and swimming pool. Determine whether the reported impacts were related to a recent 5.3 magnitude earthquake in the vicinity. Analyze distance to the epicenter and ground acceleration data recorded at local seismic stations.

#### **Water Intrusion Assessment, Nashville, TN**

Determine cause and timing of sudden water intrusion at a residential crawlspace. Analyze precipitation runoff data and recent changes in topography at adjacent properties. Advise repairs of moisture impacted structure and finishes.

#### **Roof Damage Assessments, Various**

Determine whether recent storm events caused damage at commercial and residential structures. Assess roof covering for wind/hail damage. Analyze damage, deterioration and/or roof assembly details to clarify source(s) of water intrusion. Recommend scope of repairs. Projects included spray polyurethane foam (SPF), single-ply (TPO, PVC, EPDM), asphalt shingle, built-up roofing

(BUR), modified bitumen, Spanish tile, shake, concrete tile, standing seam metal, and exposed fastening metal roof panel systems.

**Foundation Assessment, Clarksville, TN**

Determine the cause of drywall cracks at a light wood frame residential structure. Analyze soils for settlement and/or expansion across three foundation types under varying soil moisture levels. Analyze and determine whether recent wind events were a primary cause of damage.

**Tree Strike Assessments, AL, TN, and CA - Various**

Assess structural impact of tree strikes at wood frame residential structures over basement, concrete slab, and crawlspace style foundations. Distinguish between tree strike damage and pre-existing causes of foundation cracks such as differential settlement and lateral soil pressure. Recommend the scope of wood frame repairs.

**Wildfire Slope Stability Assessment, Yukaipa, CA**

Determine the cause of a mudslide at a wildfire impacted hill region in southern California. Assess factors including slope stability, rainfall intensity and flood zone. Determine whether regional wildfire impacts were the root cause behind mudslide impacts to a wood frame structure. Recommend structural replacement versus repairs.

**Pipe Burst Assessment, Nashville, TN**

Determine the cause of a pipe burst at a condominium complex of seven three-story buildings. Assess building envelope, water-filled sprinkler pipe freeze protection, temperature data, and recently contracted insulation upgrades. Develop engineering opinions related to the scope of subrogation.

**Slab Moisture Intrusion Assessment, Bowling Green, KY**

Determine the cause of failed LVP floor coverings at a retail department store. Assess potential water intrusion sources including plumbing systems, below grade moisture/vapor, TPO roof coverings, CMU walls, and masonry veneer. Draw engineering conclusions based on visual site data, precipitation data, and moisture test data.

**Lightning Strike Assessment, New Johnsonville, TN**

Assess the extent of damage to a wood frame dwelling caused by a lightning strike. Research historical lightning data. Assess load paths related to interior pressurization from the lightning blast and recommend structural repairs.

**Professional Experience:**

EFI Global Inc, Senior Forensic Engineer, 2023 – Present  
Castle Rock Design and Development Inc, Design Build Lead, 2020 – 2023  
Dura-Foam Roofing Inc, CEO, 2016 – 2020  
Chevron Technology Ventures Inc, Innovation Advisor, 2011 – 2016  
Solar Center Inc, Project Manager, 2006 – 2010  
Castle Rock Design and Development Inc, Project Engineer, 2002 – 2006

**Specialized Education:**

"Pitched Roof Rope Access Training," Reality Rope access, LLC, 2025  
"Residential Ladder Safety Training," APRFP, 2025

"Air Barrier Selection, Trends, Challenges, and Quality Assurance," ABAA, 2025  
"EIFS with Drainage," BNP, 2025  
"Pre-Applied/Blindside Waterproofing Best Practices," BNP, 2024  
"Cracking Why Buildings Move," BNP, 2024  
"Deep Dive Into Low-Slope Asphaltic Roof Systems," BNP, 2024  
"Calculation Procedures for Assessing Thermal Bridging Impacts," BNP, 2024  
"PVC: The Other White Sheet," BNP, 2024  
"Commissioning - A Look at the Process and How it Can Mitigate Risk," ABAA, 2024  
"Rain Loads in ASCE 7-22, What's New and Different (AWI121321)," ASCE, 2024  
"Air Barrier Continuity Strategies for Storefront & Curtain Wall Systems," ABAA, 2024  
"Building Science and Moisture Management," AEC Daily Corp, 2024  
"Steep Slope Roofing: Ventilation Solutions," AEC Daily Corp, 2024  
"Best Practices for Single-Ply Roofs," BNP, 2024  
"Gutters & ANSI/SPRI GT-1," BNP, 2024  
"Design of Roof Structures - Avoiding Common Errors (AWI080715)," ASCE, 2024  
"New and Existing ASHRAE Standards That Impact Indoor Air Quality," NoonPi, 2024  
"Go with the Flow: Tapered Insulation Fundamentals," BNP, 2024  
"Building Enclosure Commissioning (BECx) (AWI060619)," ASCE, 2024  
"Avoiding Problems in Specifying Metal Roofing (AWI111210)," ASCE, 2024  
"Diagnosis, Repair, and Restoration of Building Facades (AWI031715)," ASCE, 2024  
"Investigation of Winter Roof Failures - Lessons Learned (AWI020816)," ASCE, 2024  
"Building Enclosure Control Layer Fundamentals," BNP, 2023  
"Resiliently Designed Homes," BNP, 2023  
"Where Continuity Meets Vulnerability – Wall Transition Essentials," BNP, 2023  
"Polyiso CI: Air and Water-Resistive Barriers," BNP 2023  
"Codes, Standards, and Compliance," SPRI, 2023  
"Advanced Roofing Certification," Vale Training, 2023  
"Civil PE Surveying Review," CPESR - Kirk Torossian, 2023  
"Level 2-B Climbing Instructor Certification," BSA, 2022  
"Energy Hub – Advanced Battery Concepts", SolarEdge, 2022  
"SolarEdge Home Battery Certification," SolarEdge, 2022  
"California Seismic Principles," Advanced Engineering Institute (AEI), 2022  
"Water Resources and Environmental Depth Review," EET 2021  
"Civil Engineering Breadth Review," EET 2021  
"Statistics with Python," University of Michigan, 2020  
"Python 3 Programming Specialization," University of Michigan, 2020  
"Managing Big Data with MySQL," Duke University, 2019  
"High-Pressure SPF Chemical Health and Safety Training," ACC, 2019  
"Pika Energy Installer Certification," Pika Energy, 2018  
"SPFA PCP Examiner Training," SPFA, 2017  
"LG Chem Certification Training," LG Chem, 2017  
"Sonnen Batterie Certification," Sonnen, 2017  
"Tesla Powerwall Integration Training," Tesla, 2016  
"Driver Safety and Compliance Training," Smith System, 2015  
"Project Development and Execution Process Certification," Chevron, 2014

## Education:

MBA, University of California at Berkeley, Berkeley, CA, 2010  
Master of Science, Civil Engineering, Stanford University, Palo Alto, CA, 2002  
Bachelor of Science, Civil Engineering, Brigham Young University, Provo, UT, 2000