

Yasemin Agi, EIT

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EDUCATION

Stanford University

*Master of Science, Civil & Environmental Engineering
Sustainable Design and Construction Program, Energy Track*

Stanford, CA

December 2024

- Relevant Coursework: Building Systems Design & Analysis, Energy Efficient Buildings, Advanced Building Modeling, Parametric Design & Optimization, Decarbonized Building Design

University of California, Los Angeles

Bachelor of Science, Civil & Environmental Engineering (Cum Laude)

Westwood, CA

June 2023

- Charles Martin Duke, Jr. Structural Engineering Scholarship Recipient
- Engineering Achievement Award for Student Welfare

PROFESSIONAL EXPERIENCE

Gaia Development

Energy Modeling Associate

Playa Del Rey, CA

October 2024 – December 2024

- Performed whole-building energy models for California Title 24 compliance and solar array sizing using Sketchup, OpenStudio, and CBECC.
- Prepared solar & battery forms for Title 24 compliance.

Sustainability Intern

June – September 2023

- Developed a custom in-house LCA model in Excel to estimate carbon impact based on historical project data from OneClick LCA and regional industry standard GWP data from the Carbon Leadership Forum.
- Created a database in Salesforce of completed project data to monitor sustainability metrics such as embodied and operational carbon reduction from baselines.

Taylor Engineering

Mechanical Intern

Alameda, CA

June – August 2024

- Used BMS data and collected HOBO data to review trends in UT3 to assess HVAC system performance and ensure occupant thermal comfort.
- Produced controls schematics, ductwork drawings, and piping drawings in Revit.
- Performed load calculations in Trace 700 and Trace 3D+ to model energy consumption and size mechanical equipment.

Skanska Building USA

Project Engineer Intern

San Francisco, CA; Los Angeles, CA

June – September 2022; January – June 2023

- Generated and managed submittals, RFIs, and transmittals using Bluebeam and Procore.
- Reviewed EPDs from subcontractors to ensure compliance with sustainability specs and CAL Green.
- Tracked weekly site progress via 360 photos and site walk videos using StructionSite.

OTHER PROJECTS

LEED Lab at UCLA

Undergraduate Project Member

Westwood, CA

September 2020 – June 2021

- Collected on-site building performance data and completed LEED O+M scorecard under Todd Lynch for Franz Hall, an existing campus building.

SKILLS

- **Building Information Modelling (BIM):** Revit, SketchUp
- **Visual Programming:** Dynamo, Grasshopper
- **Energy Modeling & Building Performance:** EnergyPlus, OpenStudio, Autodesk Insight, Trane Trace 700 and Trace 3D+, HOBOWare, CBECC
- **Sustainability:** LEED Online, OneClick LCA, EPIC, SimaPro
- **Construction/Project Management:** Bluebeam, Procore, StructionSite
- **Data Analysis:** MATLAB, Salesforce, Excel, Universal Translator 3 (UT3)
- **Certifications:** LEED Green Associate (GA), Engineer in Training (EIT)