EUNICE JUNG, RA, LEED AP BD+C

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EDUCATION

Stanford University | Stanford, CA

Ph.D., Civil and Environmental Engineering Present

M.S., Structural Engineering 2025

• **Research Assistant** for Professor Michael Lepech on developing quantitative methods for embodied Life Cycle Assessment (LCA) of building design using Large Language Models (LLMs)

• Relevant Course: Conversational Virtual Assistants with Deep Learning (CS 224V), Deep Learning for Computer Vision (CS 231N), Natural Language Processing with Deep Learning (CS 224N)

Harvard University | Cambridge, MA

M.Arch., Graduate School of Design, Architecture 2017

Harvard University Grant, Harvard GSD publication *Platform 7*: selected studio and class projects

Korea Advanced Institute of Science and Technology (KAIST) | South Korea

B.S., Civil and Environmental Engineering, *Summa Cum Laude* 2012

National Presidential Scholarship for distinguished science undergraduates: full-ride scholarship

PROFESSIONAL EXPERIENCE

Skidmore, Owings & Merrill (SOM) in San Francisco | **Structural Engineering Intern** Summer 2025

• Quantified the embodied carbon of structures and facades for complex projects, ultimately training a simple neural network model to categorize structural members and predict their embodied carbon

CBT Architects in Boston | **Project Architect** Feb 2020 – Oct 2024

• **Lead Researcher**: Spearheaded award-winning embodied carbon reduction research ($30,000), achieving a 15% embodied carbon reduction of a Class A office tower as an in-house specialist

• **Envelope team**: Managed technical execution for two high-profile, 30-story high-rise developments; specialized in high-performance triple-glazed unitized curtain wall system and precast panel system of faceted curves from Schematic Design through Construction Documents phase; led multidisciplinary coordination with structural, façade, and MEP consultants; conducted iterative Window-to-Wall Ratio (WWR) analysis and thermal performance evaluations

PAYETTE Associates in Boston | **Architect** Jul 2017 – Feb 2020

• **Job Captain/BIM Manager**: Managed a 50,000 ft^2 teaching laboratory renovation project on a college STEM building; led construction project meetings with owner and contractors

TEACHING / OUTREACH EXPERIENCE

Course Assistant | Stanford University

Life Cycle Assessment for Complex Systems | Professor Michael Lepech Fall 2025

Architectural Studio 1: Architecture – Space, Light, and Movement Spring 2025

Architectural Studio 3: Integrated Architecture and Engineering Fall 2024

Engineering Economics and Sustainability Summer 2025, Fall 2024, Summer 2024

Committee member, **Co-Chair** of Career Development Committee | **BosNOMA** (non-profit corporation in MA, Boston Chapter of National Organization of Minority Architects) 2021 - 2024

BosNOMA Recognition Award 2023**,** awarded to an individual with a substantial contribution

Graduate Teaching Assistant | *Harvard Graduate School of Design*

Structural Design 1, Structural Design 2 Spring 2017, Spring 2014

SKILLS

Programming & AI: Python (NumPy, PyTorch, OpenSees), MATLAB, LLM APIs

Design/BIM: Revit (Detailing), Rhino/Grasshopper (Parametric Modeling), Adobe Suite, One Click LCA

Bilingual in English and Korean