

Kevin J. Nally

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Drexel University
Philadelphia, PA

EDUCATION

Drexel University College of Engineering

Bachelor of Science in Architectural Engineering
Structural Concentration, Art History Minor, Pennoni Honors College

Philadelphia, PA
September 2021 – June 2026
GPA 3.38

Coursework : Statics, Structural Analysis, Structural Design, Mechanics of Materials, System Balances and Design, Wood and Timber Design, Construction Materials, Soil Mechanics, BIM in Construction, Architectural Engineering Design

SKILLS

Technical : Lateral and Gravity Load Analysis, Structural Design, Connection Design, Detailing, Building Investigation
Software : AutoCAD, Revit, RAM SS, RAM Connection, SAP2000, Tally, Navisworks, Forma, SketchUp, ArcGIS, Bluebeam

PROFESSIONAL EXPERIENCE

Mulhern & Kulp

Residential Structural Engineer

September 2024 – August 2025
Ambler, PA

- Drafted and designed structural systems for over 200 new construction residential projects using AutoCAD to produce detailed construction documents
- Conducted lateral load analyses for wind and seismic forces based on ASCE 7-22 standards, ensuring full compliance with local and state building codes
- Calculated gravity loads for floor and roof systems, designing components to optimize structural stability and occupant safety

EwingCole

Structural Engineer

September 2023 – March 2024
Philadelphia, PA

- Developed structural models in Revit for large-scale institutional and healthcare projects, coordinating with architectural and MEP teams to resolve clashes
- Optimized steel and concrete designs with RAM SS and RAM Connection, performing detailed calculations based on demand loads
- Performed Life Cycle Assessments (LCA) using Tally, analyzing embodied carbon in building materials to support the firm's SE 2050 commitment and inform sustainable design decisions

Klein & Hoffman

Architectural Engineer

September 2022 – March 2023
Philadelphia, PA

- Produced detailed construction drawings for facade restoration and structural repair projects on historic and commercial buildings using AutoCAD
- Participated in more than 20 on-site investigations to assess building envelope conditions, document deterioration, and identify root causes of structural failures
- Developed condition assessment reports, including cost estimates and repair recommendations, that directly informed clients' capital planning and repair budgets

RESEARCH EXPERIENCE

VIP Research Team – Circular Cities: Building Material Stocks and Flows

Drexel University

April 2025 – Present
Philadelphia, PA

- Investigating circular economy strategies for urban infrastructure in the Philadelphia area with a focus on maximizing material reuse and recycling in the built environment
- Developing an urban database of building material stocks and flows using ArcGIS, machine learning models, and life cycle data to support sustainable demolition and construction practices

CERTIFICATIONS AND EXAMS

- **NCEES Fundamentals of Engineering Civil Exam** - Passed, October 2025
- **LEED Green Associate Exam** - Passed, July 2025
- **OSHA 10-Hour Construction Safety and Health Certification** - September 2022

EXTRACURRICULAR

- **Weekend Warriors Hiking Club - Trip Captain, Assistant Treasurer** - Drexel University, 2021 - Present
- **Delta Sigma Phi Fraternity - Design Chair, Public Relations Chair** - Drexel University, 2022 - Present
- **Drexel Cycling Club Sport - Member** - Drexel University, 2024 - Present