

Conal Doyle

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EDUCATION

Purdue University — College of Engineering

West Lafayette, IN

B.S. Mechanical Engineering

Dec 2028

- Minor: Global Engineering Studies · Pharmaceutical Manufacturing Certificate
- GPA: 3.67
- Lilly Scholars at Purdue · GEARE · ASME · EPICS

Purdue University — Daniels School of Business

West Lafayette, IN

B.S. Economics

Dec 2028

- Minor: Mathematics
- University Blood Initiative at Purdue

PROFESSIONAL EXPERIENCE

E.H. Wachs (ITW)

Lincolnshire, IL

Manufacturing Engineering Intern

Apr 2026 – Aug 2026

- Built a Python application that auto-generates PowerPoint work instructions, cutting creation time 80–90%
- Standardized documentation across production with revision history, validation, and multi-layout options
- Designed an intuitive interface producing documentation that meets industry standards
- Designed assembly tools, fixtures, corrected engineering drawings, and bridged shop and engineering

Eli Lilly

Indianapolis, IN

Lilly Scholar Intern – Sterility Assurance & Microbiology

Jan 2026 – Apr 2026

- Planned, authored, and executed proof-of-concept tests for an automated environmental monitoring robot
- Collaborated with co-intern, lab scientists, and vendors to coordinate experiments and advance project goals
- Rapidly learned microbiology lab practices and environmental monitoring methods to support project testing

Erin Concrete / Doyle Builders

Elmhurst, IL

Part-Time General Laborer

Aug 2019 – Present

- Contributed to the construction of residential homes, from beginning to end of construction
- Facilitated general labor tasks, including site cleanup, material handling, and tool maintenance

LEADERSHIP & INVOLVEMENT

Purdue EPICS — Global Air Quality Trekkers (GAQT)

West Lafayette, IN

Nanofiber Filtration — Team Archivist → Team Lead

Spring 2025 – Fall 2025

- Led the undergraduate Nanofiber research team, research planning, member training, and coordination
- Only trained undergraduate able to independently operate the electrospinning equipment
- Scaled laboratory nanofiber output, significantly increasing production after taking over as lead

Boy Scouts of America

Elmhurst, IL

Senior Patrol Leader · Eagle Scout · Order of the Arrow

Feb 2017 – Sep 2023

- Led fellow scouts as Senior Patrol Leader, planning troop meetings, outings, and activities
- Attained rank of Eagle Scout, collaborating with DuPage Senior Citizens Council during COVID-19
- Inducted into the Order of the Arrow for outstanding leadership, service, and dedication

Speak Anglos — Italy

Trento, Italy

Native English Speaker (Anglo)

Jul 2024

- Contributed to executing a full-immersion English camp for 40 engineering students in Bari, Italy
- Facilitated daily English-language exercises, encouraging students in developing English fluency
- Participated in hands-on technical activities to reinforce English comprehension in an engineering context

RELEVANT SKILLS

Coding: Java, Python, MATLAB, C | **CAD:** Fusion360, OnShape, NX, SolidWorks | **Languages:** Spanish