

Paul Poleon Jr

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Portfolio: paulpoleon.com

Education

University at Buffalo

Bachelor of Science degree in Industrial Engineering

- 3.3 GPA
- Dean's List (Spring 2025, Fall 2025)
- Relevant Courses: Analytics and Computing for Industrial Engineering, Human Factors in System Design, Planning Productions and Service Enterprises, STEM Communications, Optimization in Deterministic Systems, Applied Probability and Statistics, and Engineering Drawings and CAD.

Projects

Pool Lift Design Project

October 2024 - December 2024

- Designed an ADA-compliant pool lift that can safely support up to 300 pounds
- Prevented hydraulic overextension by calculating optimal linkage lengths and joint positions
- Prevented tipping by calculating and designing the necessary counterweight positioning and volume

PlayStation Controller 3D Model

March 2024 - April 2024

- Designed a detailed 3D CAD model of a PlayStation 5 controller in SolidWorks using precisely measured dimensions
- Produced engineering drawings with exploded views, multi-angle projections, and labeled parts to support manufacturing and assembly

Boat Design Prototype

September 2023 - December 2023

- Collaborated with peers to test various motor types, gear ratios, and hull shapes, among other factors, in an effort to minimize time.
- Presented unique findings to a panel of faculty and peers
- Presented the only model to be purely propelled using wind propulsion.

Work Experience

Best Buy - Geek Squad

Buffalo, NY

Advanced Repair Agent

September 2023 - Current

- Developed and maintained positive relationships with customers to encourage repeat business
- Installed new systems and components according to service orders and manufacturer instructions
- Conducted routine maintenance on various types of machinery to ensure optimal performance

Skills

- SolidWorks CAD & Engineering Drawings
- MATLAB Coding
- Microsoft Suite
- Excellent Time Management
- Verbal & Written Communication
- Organization

Awards

- Eagle Scout (December 2024)
- International Baccalaureate Diploma Recipient (June 2023)
- Scout of the Year (October 2021)
- Honor Acolyte (May 2022)