

# Paul Poleon Jr

ppoleonjr@gmail.com | (716) 602 5885 | 15 St Francis Pl. Buffalo, NY 14207

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 | • Excellent Time Management      |
| • MATLAB Coding                         | • Verbal & Written Communication |
| • Microsoft Suite                       | • Organization                   |

## Awards

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