# DEVEN WELLS

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Looking for a Summer 2025 co-op or internship to use my background in product development

## Education

**Bachelor of Science, Engineering Design & Master of Engineering Management** May 2027
Rose-Hulman Institute of Technology, Terre Haute, IN **GPA 3.15**

**Lean Six Sigma Yellow Belt**
Ira A. Fulton Schools of Engineering at Arizona State University July 2024

## Skills

- **Software:** SolidWorks, Finite Element Methods Simulation, Microsoft Office, Python, Minitab, JavaScript, CSS
- **Equipment**: FDM and SLA Printing, Welding, Machine Shop, Material Testing, Soldering, Vacuum Forming
- **Communication:** Coaching, Public Speaking, Marketing, Networking, Graphic Design

## Work Experience

**Mechanical Engineering Intern**, Rose-Hulman Ventures – Terre Haute, IN May - Aug. 2024
- Designed a protective enclosure and aesthetic design language of sports tech product line through CAD, 3D printing, and client input
- Negotiated with international suppliers to reduce manufacturing costs by 70%
- Responsible for the packaging and shipping of over $30,000 worth of industrial sensors

## Relevant Industry Experience

**Shower Shelf (H2Organize.com) –** Independent Startup - Terre Haute, IN Sep. 2023 - Present
- Developed a product from ideation to minimum viable product through rapid prototyping
- Secured $3000 in funding from the Rose-Hulman Sawmill Society to further the project
- Successfully delivered over 160 units to 5 different clients across the Midwest

**Adaptive Electronic Drum Set –** Make it Happen - Terre Haute, IN Feb. 2024 - May 2024
- Led a team of 5 engineering students to develop an adaptive electronic drum set
- Utilized a Raspberry Pi to store and run commands based on adaptive user input
- Prototyped the device using a Bambu X1 3D printer and engineering grade filament

**BrightBoard -** RHIT Department of Engineering Design - Terre Haute, IN Aug. 2023 - Nov. 2023
- Communicated with stakeholders to develop an innovative toy for people with disabilities
- Complied with ASTM safety standards for children between the ages of 5 to 14
- Fabricated the toy through laser cutting, soldering, and Raspberry Pi Pico circuit design
- Field-tested the toy with 6 end-users to improve product performance in future revisions

## Leadership & Activities

**Escalate -** *Director* Oct. 2023 - Present

**Rose Innovative Student Entrepreneurship Club -** *Vice-President* Oct. 2023 - Present

**Make it Happen -** *Project Leader* Nov. 2023- Present

**Delta Rho Sigma –** Founding Member, Public Outreach, & Alumni Relations May. 2024- Present

**Representative Delegate & Junior Mentor -** *American Society of Materials, France* June 2024