

Alanna O'Reilly

Greater Philadelphia Area | (609)-500-4254 | alanna.oreilly23@gmail.com | [Portfolio](#)

EDUCATION

Rutgers University, School of Engineering

B.S. in Biomedical Engineering

- Cumulative GPA: 3.70/4.00 (Dean's List)

New Brunswick, NJ

Sep 2019 – May 2023

SKILLS

- Autodesk Inventor
- AutoCAD
- MATLAB
- HTML
- CSS
- Adobe Illustrator
- Adobe Photoshop
- Adobe Premiere Pro
- Autodesk Fusion 360

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Engineers Without Borders

New Brunswick, NJ

Tanzania Project Lead

April 2021 – Present

- Overseeing the financial and technical subteams to form a coherent project and increase progress towards goals efficiently
- Working with professional mentors and contacts in Tanzania to develop the project's next steps towards completion of the well
- Teaching members how to use AutoCAD so they are able to assist with the designing of a water pump and distribution system

Tanzania Financial Subteam Lead

April 2020 – April 2021

- Worked towards building a sustainable well in Tanzania so women and children do not have to walk long distances for water
- Organized a two-week long social media campaign to finance the implementation of the borehole well and the project trip
- Collaborated with other subteam leads to successfully launch a virtual running challenge to gain funds for the chapter as a whole

Rutgers e-NABLE

New Brunswick, NJ

General Member

Sept 2021 – Present

- Designing, 3D printing, and assembling free and low-cost prosthetic, upper limb devices for children and adults in need
- Utilizing Blender Interface and Computer-Aided Design (CAD) to design, properly size, and print the prosthetic limbs

Society of Women Engineers

New Brunswick, NJ

General Member

Sept 2019 – Present

- Engaging in corporate, community service, and networking events within Rutgers University and the outer community
- Contributing to a community of female engineers built on the foundation of supporting women pursuing STEM careers

PROFESSIONAL EXPERIENCE

Resilience Inc

Remote Work

Project Manager Intern

Oct 2021 - Present

- Using AutoCAD and Fusion 360 to design and simulate a desalination prototype for load management analysis of the structure
- Analyzing mechanical properties and costs of materials to support product design, development, and vendor selection
- Facilitating communication across affected teams and encouraging consistent work processes across teams and locations

Redbubble

Eastampton, NJ

Freelance Artist

Nov 2017 - Jan 2021

- Monitored pop culture to predict trends and cater content to the market while also adhering to my personal art style
- Sold over 1,000 individual products containing my digital art using Adobe Illustrator and other Adobe Creative Cloud products
- Interacted with customers frequently to meet their needs and answer all questions about products and designs