

# Alanna O'Reilly

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

## EDUCATION

### Rutgers University, School of Engineering

B.S. in Biomedical Engineering | Cumulative GPA: 3.65/4.00 (Dean's List)

New Brunswick, NJ

Sep 2019 – May 2023

## PROFESSIONAL EXPERIENCE

### Labcorp Drug Development

Project Management Intern

Remote Work

May 2022 - Aug 2022

- Facilitated a 10% increase in clinical trial patient recruitment by leading a referral campaign and managing correspondences
- Maintained tracking of patient statuses and trip reports across 3 studies, and reported data to the client on a weekly basis
- Reported over 20 potential issues during a quality check of IP Storage and Shipment documentation in Veeva Vault eTMF
- Conducted research for 7 projects focused on the internal structure and processes of the company and PM department

### Resilience Inc

Engineering Intern

Remote Work

Oct 2021 - Jan 2022

- Used AutoCAD and Fusion 360 to design and simulate a desalination prototype for load management analysis of the structure
- Analyzed mechanical properties and cost of various materials to support product design, development, and vendor selection
- Facilitated communication across affected teams and encouraged consistent work processes across teams and locations
- Researched the best way to manufacture the product by speaking with experts from various companies and searching databases

## Projects

### Bone Density Device | Rutgers BME Senior Design

Group Member

New Brunswick, NJ

Sep 2022 – Present

- Developing a handheld device for orthopedic surgeons to determine bone density intraoperatively with at least 90% accuracy
- Calculating the elastic modulus of bone samples using an Instron machine to ensure the device meets the accuracy criteria
- Communicating progress with senior faculty and a professional advisor from a leading medical device company on a bi-weekly basis

### Borehole Well | Engineers Without Borders - Rutgers Chapter

Treasurer

New Brunswick, NJ

Apr 2022 – Present

- Managing and advising budgets for construction operations, international travel, and general campus activities
- Working with the executive board and financial development team to brainstorm and execute fundraising events

Tanzania Project Lead

Apr 2021 – Apr 2022

- Oversaw the financial and technical subteams to form a coherent project and increase progress towards goals efficiently
- Taught members how to use AutoCAD enabling them to assist with the designing of a water pump and distribution system

Tanzania Financial Subteam Lead

Apr 2020 – Apr 2021

- 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

## SKILLS

- |                     |                   |                    |                                 |
|---------------------|-------------------|--------------------|---------------------------------|
| • Autodesk Inventor | • HTML & CSS      | • Impact by Arden  | • Adobe Illustrator & Photoshop |
| • MATLAB            | • Microsoft Excel | • Veeva Vault eTMF | • Video Editing                 |
| • Solidworks        | • AutoCAD         | • CTMS             | • Autodesk Fusion 360           |