# Lindsey Alumbaugh

210 West Ninth Street • Neoga, IL 62447 • Phone: (217) 663-4260 • Email: alumbald@rose-hulman.edu Portfolio: www.lindseyalumbaugh.weebly.com

# **Objective**

To help others through a biomedical engineering internship in R&D in the summer of 2020

# Education

#### **Bachelor of Science Biomedical Engineering**

May 2021

Rose-Hulman Institute of Technology, Terre Haute, IN

### Skills

- Proficient in: SolidWorks, 3D printing/rapid prototyping, Technical writing, Public speaking •
- *Experienced with:* FDA medical device regulation, Engineering design, Medical device repair •
- *Familiar with*: Basic machining, Arduino microcontroller, Python, AC/DC circuits •

## **Experience**

<ul> <li>Designed, prototyped, and tested an adapter that increased the navigation abilities of a brain access system</li> <li>Prototyped concepts for a new vascular treatment product</li> <li>Collaborated with team members and the CTO of NICO to evaluate and improve current device designs</li> <li>Engineering Design Studio, Rose-Hulman Institute of Technology</li> <li>August 2018-Present</li> <li>Teaching Assistant</li> <li>Ensured correct use of SolidWorks by evaluating student models and drawings</li> <li>Provided design and modeling input for students' final design projects</li> <li>Guided students in technical writing and public speaking in preparation for media presentation</li> <li>Engineering World Health, Santiago, Dominican Republic</li> <li>Prioritized repair order for medical devices in the NICU of a developing hospital</li> <li>Learned about how medical devices could fail in developing environments</li> <li>Repaired devices and delivered them to the NICU, where they were implemented</li> <li>Probo Medical, Fishers, IN</li> <li>May-August 2019</li> <li>Repaire Interm</li> <li>Evaluated condition of GE ultrasound transducers based on condition of array</li> <li>Repaired transducers for parts if repair was not possible and catalogued each piece</li> <li>Produced a toy for children with visual impairments that provided audio feedback</li> <li>Presented protory at a public showing on campus and delivered finished product</li> <li>Batman Utility Toy for Reach Services</li> <li>Created a toy that utilized games for physical therapy aid for children with motor disabilities</li> <li>Scaled difficulty of levels to allow the toy to advance with the child in their therapy</li> </ul>	Rose-Hulman Ventures, Terre Haute, IN	May-August 2018
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