

# Elizabeth Kappler

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## Education

### GEORGIA INSTITUTE OF TECHNOLOGY

B.S. in Biomedical Engineering

GPA: 3.84/4.0

Atlanta, Georgia

August 2015 - December 2019

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## Undergraduate Projects

### Libi Medical

Atlanta, GA + Addis Ababa, Ethiopia

Senior Capstone Design Project

June 2018 - Present

- Development of novel fetal phonocardiography device for low-income countries. Project spanned all aspect of FDA waterfall design process and device is pending approval for clinical trial.

### Pediatric DETECT

Atlanta, GA

Undergraduate Research Assistant

2016-2018

- Created modifications to neuropsychological tests for virtual reality sideline concussion assessment for children ages 14-18. Conducted data analysis on concussion impact measurements.

### Modular Ankle Foot Orthosis

Atlanta, GA

Sophomore Design Project

Fall 2016

- Development of novel modular pediatric ankle foot orthosis for cerebral palsy. Collected user needs to inform design criteria and prototyping. Collaboration with member of Georgia Tech with cerebral palsy.
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## Work Experience

### Lalabu LLC.

Atlanta, GA

Operations Intern

Fall 2018

- Directly reported to the COO, overseeing most daily incoming and outgoing shipments as well as inventory and warehouse operations.

### Facet Medical Technologies

Atlanta, GA

Manufacturing Intern

Summer 2018

- Conducted continuous improvement studies on molding and packaging processes for 6+ million lancets a day. Wrote procedures, protocols, and assisted in project management for new acquisitions and contract manufacturing.
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## Organizations

Georgia Tech Honors Program, Member

2015 - Present

NAE Grand Challenges Scholars Program, Member

2016 - Present

Engineering World Health @ Georgia Tech, President

2015 - 2017

Grady Memorial Hospital, NICU Volunteer

2015 - 2016

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## Skills

Technical Drawings, Concept Development, Prototyping, CAD, User Interviews, Engineering Analysis

Software: MATLAB, SolidWorks, VPython, GIMP, Microsoft Office Suit

Communication: Technical Reports, Posters, Presentations, Protocols

Languages: Russian (conversational), Korean (basic)