

Amelia Smith

3379 Parc Drive Atlanta, GA 30311 | 478.297.1473 | [linkedin.com/in/amelia-rsmith](https://www.linkedin.com/in/amelia-rsmith) | asmith107@gatech.edu

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering, Atlanta, GA

Major: Bachelor of Science in Biomedical Engineering / Minor: Social Justice

May 2021

- Georgia Tech Gold Scholar: Top 2% of incoming merit scholarship students for excellence in scholarship, leadership, progress, and service.

WORK EXPERIENCE

College of Computing Student Assistant

Oct 2019- Present

- Instructed and facilitated youth programming for elementary and middle school students in coding and 3D printing basics.

Danaher: Beckman Coulter Life Sciences Operations Engineer Intern, Indianapolis, IN

May 2019- Aug 2019

- Saved the company more than \$263K through streamlining the change order process to improve fiscal operations.
- Established cross functional visual management for change order tracking.
- Developed a manufacturing work cell to be more ergonomic and lean through a kaizen event.

Danaher: Cepheid Supplier Development Engineer Intern, Sunnyvale, CA

May 2018- Aug 2018

- Saved the company more than \$60K through reagent shelf life expansion.
- Collaborated with suppliers to upgrade operating procedures to enhance the product's quality.
- Improved unloading and sorting of packages at dock station through a kaizen event.

Procter and Gamble Research and Development Intern, Cincinnati, OH

May 2017- Aug 2017

- Utilized modeling techniques to predict material behavior on the operating line to make material modification recommendations, and optimize the process through equipment settings to reduce customer complaints.

GT PROJECTS

Quantitative Physiology Engineering Lab

May 2020 - June 2020

- Worked on a team of 4 to design, conduct experiments, and write technical reports and presentations.
- Independently built and tested electromyography and electrocardiograph circuits.

Biomedical Engineering Design

Aug 2019- Dec 2019

- Communicated with primary and secondary users to draw (Solidworks), rapidly prototype, and build a stethoscope from a CAD file in a machine shop.

LEADERSHIP

National Society of Black Engineers, Region 3, Speakers and Workshops Coordinator

May 2017- Dec 2017

- Managed conference logistics, audio and visual needs, and workshop curriculum for a conference of 700 professionals, pre-collegiate, and collegiate students.

Community Diversity and Inclusion Committee

Dec 2017- Sept 2018

- Analyzed the Wallace H. Coulter Department of Biomedical Engineering effectiveness in addressing minorities' needs; recommended and implemented initiatives to improve minority undergraduate success.

Georgia Tech Society of Black Engineers Freshman Program, Academic Excellence Chair

Aug 2016- May 2017

- Designed academic initiatives for over 50 minority freshmen to strengthen collegiate study skills and promote use of campus resources.

AWARDS AND AFFILIATIONS

Awards: Dean's List, Alpha Eta Circle of Omicron Delta Kappa Freshman Leadership Award, Bronze Tower Award

Affiliations: Georgia Tech Student Ambassadors, Grand Challenges, Delta Sigma Theta Sorority Inc., Macon It, Student Alumni Association, Black Student Recruitment Team, Women of Color Initiative, College of Engineering Champion, and National Pan-Hellenic Council