

## SIEMENS | Foundation

### 2018 Siemens Foundation-PATH Fellowship



#### Elizabeth Griffin

##### Product Development Shop Fellow

“I pursued this opportunity in global health because I have always wanted to use my technical skills for work that has a positive impact on people’s lives. Access to basic healthcare, no matter where people live, is an important human right, and expanding this around the world is a mission that inspires me.”

Elizabeth Griffin is pursuing her Bachelor of Science degree in Environmental Engineering at Duke University and expects to graduate in May, 2019.

Dr. David Schaad, faculty advisor for the student-run organization Duke Engineers for International Development (DEID), inspired Elizabeth with his innovative approach to engineering and his drive to solve major problems such as improved water and sanitation access.

As part of her involvement with DEID, Elizabeth has been a leader in global health projects benefiting communities in East Africa and Bolivia having worked on the design and implementation of a health clinic facility, construction and implementation of a rainwater catchment system, improvement of low-cost ceramic drinking water filters, and monitoring air quality and respiratory health parameters in a metropolitan area. With future goals that include a global health career working in the water and sanitation field, she hopes to make a positive impact in the lives of many people.

As a Product Development Shop Fellow, Elizabeth is enthusiastic about becoming more familiar with the entire product development process, including research and development, prototyping and product testing, and finally commercialization in order to help her make informed decisions as she does research in water and sanitation. She is also looking forward to the opportunity to expand her knowledge of women’s and children’s health technologies.

The greatest challenge Elizabeth sees for her generation is finding economical clean energy sources to slow and ultimately stop the progress of climate change, and simultaneously providing equitable safe water access in response to the effects of climate change that are already making fresh water scarcer.