

Elaine Gossard is a Senior Mechanical Engineering major from Miami University (OH) and has been a member of the GCSP for 3 years. Her involvement with the GCSP has included framework development, program launch, steering committee membership, student mentoring, and Scholar in Residence Keynote Moderator. Elaine has worked in various co-op roles with NASA Glenn Research Center, Greif Packaging, and Ethicon Endo-Surgery. She also is pursuing a minor in Education, Teaching, and Learning to expand her knowledge on STEM Education principles.

Elaine's GC of focus, "Engineering Better Medicines", has been weaved throughout her undergraduate career. Her passion for healthcare technology and innovation has been displayed through independent assistive technology projects, including the design of an Assistive Lifting Wheelchair Attachment and evaluation of Topological Data Analysis as a Tool for Creating a Brain-Computer Interface, an open gynecological and colorectal surgical device design co-op, and her senior design project focused on designing innovative solutions for pediatric physical and occupational therapy. Additionally, her curiosity regarding global dimensions has led her to volunteer with children's homes in Guatemala, study abroad in Italy, and spend evenings chatting about cultural differences with her family, currently based in Esbjerg, Denmark.

Outside of Elaine's studies and involvement with GCSP, Elaine beatboxes and sings bass for TrebleMakers Acappella on campus, serves on the executive board of Theta Tau Professional Engineering Fraternity, and participates in Design & Innovation Challenges with the Miami University Center for Assistive Technology.