

Ashley Blasiolo



Ashley Blasiolo is an Operations Engineer at Commonwealth Fusion Systems (CFS) in Devens, MA, USA where she is working on building up, developing, and implementing operational processes for SPARC; specifically, the superconductive magnets and cryo-distribution systems. She has been assigned to creating and implementing operational transitions of the Tokamak for cooling the magnets. Prior to CFS, she has been the responsible engineer for designing, building and operating ground support equipment specifically for high power, RP1, and service (Helium, Nitrogen, Liquid Nitrogen, Compressed Air, and Water) subsystems; in addition, to helping run and optimize subcooling Liquid Oxygen. She was the Launch Conductor of the successful launches at Virgin Orbit (VO); most notably Straight Up Launch. Before VO, she worked for the Centers for Disease Control and Prevention (CDC) where she developed the novel methodology for testing benzo[b]furan in smoke tobacco products, VNAs in smokeless product and optimizing and running the methodology for Volatile Organic Compounds in a Little Cigar Study. She spent some time with Booz Allen Hamilton, contracted to the CDC for a few projects, most notably working with the Infectious Disease Group and the Tobacco and Volatile Branch. As an intern, she worked for the United States Department of Agriculture under the Rural Utility Services in Telecom and Water Programs. She was a large contributor to the grant application review and awarding process for Distance Learning and Telemedicine (DLT), Tribal Water and Waste, Community Connect, and Household Water and Well grants. During her undergraduate academic research, her focus was on analysis of organic synthesis of pesticides, working with carbon nanotubes, and solar cells.

In the future, she hopes to run and optimize the cryo system for SPARC reaching the objective of $Q > 1$. Personally, she hopes to reach across the aisle and find a way to merge the advancements of clean energy where one day clean energy will create clean energy.