Bio

Caitlin Chapin is currently a PhD candidate at Stanford University in the mechanical engineering department. She works in Prof. Debbie Senesky's Extreme Environment Microsystems Laboratory (XLab) where she is investigating the use of GaN for pressure sensing in extreme environments, including Venus. Caitlin is excited to be working on microelectromechanical systems (MEMs) with new materials, which requires exploring the relationship between devices physics, material science, and structural mechanics. Some of Caitlin's favorite courses have included advanced nanofabrication laboratory (EE412) and the smart product design series (ME218A-C). She is currently in the NASA Space Technology Research Fellow program where she has collaborated with researchers at NASA Glenn and the Jet Propulsion Laboratory. Caitlin received her B.S. in mechanical engineering at Georgia Institute of Technology. Previously, she worked at the Institute of Electronics and Nanotechnology at Georgia Tech where she explored optimizing dose modulation models for negative electron beam lithography resist.

In her free time, Caitlin enjoys climbing at the Stanford climbing wall and outdoors. She also enjoys drawing and has been playing with colored pencils for the past year. Caitlin is an active member of the Stanford Science Bus, where she teaches science lesson to 2^{nd} – 5^{th} graders once a week. Lesson have included building simple motors and using motors to make "doodle bots", how crystals grow, and building simple rubber band powered boats.