

Lily Burkeen

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Alloy PD -- Mechanical Engineer

April 2017 - Present

Fikst Product Development -- Mechanical Engineer

September 2014 - April 2017

Worked in small teams of engineers with clients ranging from startups to corporations, to develop biotech, medical, and microfluidic products.

Used a variety of prototyping methods in the on-site shop to build prototypes ranging from proof of concept to those used by the clients in the early stages of process development. Refined existing designs, developed manufacturing processes, and part design for manufacture.

Contextual Computing Group, GVU -- Design Engineer

May 2013 - August 2014

Experimented with new means of communication for working dogs and their handlers. I focused on design, build, and tests of new sensors/ input device to integrate into systems brought to life with a team of researchers.

Worked with interdisciplinary team to redesign harness system to attach dolphin-communication electronics to dolphin researchers. Sewed harness system in use by dolphin researchers using industrial sewing equipment.

Fabrication Lab, GVU -- Lab Assistant

June 2012 - August 2014

Designed and built a custom diy vacuum table for the lab's 3-axis cnc router. Assisted robotics and computing researchers with manufacture and build of projects.

Eaton Corporation -- Lighting Engineer Intern

May 2013 - August 2013

Worked with the LED recessed lighting team to design, prototype, and test a new products.

Oceanography Lab, Georgia Tech -- Research Engineer

June 2011 - August 2012

Georgia Institute of Technology; Atlanta, GA

August 2009 - August 2014

B.S. Mechanical Engineering
with a minor in Industrial Design