

Lily Burkeen

Lily@LilyBurkeen.com 415-617-9250

Cellares -- Mechanical Engineer

March 2022 - Present

Alloy PD -- Mechanical Engineer

April 2017 - March 2022

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

Took ideas from initial brainstorm through mass manufacturing, using CAD (PTC Creo/Pro E and Solidworks), running analysis (ANSYS FEA structural and thermal), prototyping, and testing. Managed project activities, vendors, budget, timelines, and other engineers to meet project needs.

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.

Fabrication Lab, GVU -- Lab Assistant

June 2012 - August 2014

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