

# Anna Miller

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## EXPERIENCE

<b>Senior Mechanical Engineer</b> <i>Cambridge Consultants</i> Boston, MA	Worked with clients (ranging from start-ups to Fortune 500 companies) to develop products from concept to manufacturing in rapid, risk-based projects. Project manager for 60K software delivery project. Technical lead for a team of five on an internal vertical farming initiative. Co-inventor on two pending patents.	Jan 2020 - Aug 2020
<b>Mechanical Engineer</b>	Development of a test fixture to separate particles from an aerosol flow by size. Led a conference room renovation effort. Created an algorithm to predict the location of a robot using interference with infrared beams. Work included travel to San Francisco and three months in Cambridge, U.K.	Jan 2019 - Dec 2019
<b>Co-Op, Mechanical Engineering</b>	Created specifications and an early prototype for an autonomous foosball machine. Conducted verification testing for surgical injection devices. Designed, prototyped, and assisted with user studies for a wearable medical device.	Jul 2018 - Dec 2018
<b>Industrial Design Researcher</b> <i>Delft University of Technology</i> Delft, Netherlands	Took masters courses in Industrial Design Drawing, and Cultural Design. Researched and designed a Ph.D. project to create a stem cell scaffold for the lunate carpal bone.	Sept - Dec 2017
<b>R&amp;D Intern</b> <i>Willow Breast Pump</i> Mountain View, CA	Created testing procedure for the characterization of linear actuators. Tested iterative design solutions for volume tracking. Evaluated and tested pumps from ongoing field studies.	Apr - Jul 2017
<b>Designer and Machinist</b> <i>Microwave Imaging Spectroscopy Lab</i> Dartmouth College, Hanover, NH	Designed the system electronics organization for a breast cancer imaging device using Solidworks. Fabricated housings using CNC milling.	Mar - Sept 2016
<b>Women in Science Intern</b> <i>Dartmouth Biomedical Engineering Center</i> Dartmouth College, Hanover, NH	Investigated roughness and wear on retrieved metal-on-metal hip implants to determine if surfaces are healing or degrading in vivo.	Sept 2013 - Jun 2014

## LEADERSHIP

<b>Project Leader, Director of Strategy</b> <i>Dartmouth Humanitarian Engineering</i> Tanzania, Nicaragua, Hanover NH	Led a team of four on an implementation trip to Tanzania, developing small scale briquetting businesses for four NGOs. Coordinated with non-profit and corporate sponsors. Presented at TedX Dartmouth. Organized Nicaragua assessment trips.	2013 - 2015
<b>Kitchen Director/Crew Member</b> <i>Moosilauke Ravine Lodge</i> Warren, NH	Responsible for planning and executing operations to feed 1,500 people over two weeks. Worked in a team of eight to run a rustic lodge near the Appalachian trail.	Summers 2013 - 2015

## EDUCATION

<b>University of Alaska Anchorage</b> Anchorage, AK	<b>MS in Civil Engineering</b> water resources/coastal engineering Thesis models storm surge flooding after sea level rise	December 2021 Anticipated
<b>Dartmouth College</b> <i>Thayer School of Engineering</i> Hanover, NH	<b>Bachelor of Engineering</b> concentrating in Mechanical Engineering <b>FE</b> Passed Fundamentals of Engineering Exam <b>Bachelor of Arts</b> in Engineering Sciences modified with Studio Art	March 2017 January 2017 June 2016

## SKILLS

<b>Computer</b>	Solidworks, Matlab, Minitab, CES Materials, SimaPro, PTC Windchill, Delft 3D, MS Office
<b>Fabrication</b>	Basic mill and lathe, 3D printing, Prototyping

## HONORS/ACTIVITIES

- UAA Civil Engineering Excellence Award (January 2021)
- Crisis Text Line Counselor
- Dartmouth General-Colby Fellowship Recipient
- Cambridge Consultants Diversity and Inclusion Initiative