

# Lauren E. Stanciel

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## EDUCATION:

### University of Michigan- Ann Arbor, Michigan

Bachelor of Science and Engineering in Computer Science/ Minor in Space Engineering

### Whitney M. Young Magnet High School

High School Diploma

**Expected Graduation: May 2022**

GPA: 2.99/4.0

**Graduation: June 2018**

GPA: 4.84; 3.8/4.00

## SKILLS:

### Technical

- C++/C, Java, JavaScript, Ruby on Rails, MATLAB, CSS, HTML, Python, Ruby, Arduino, Racket, Mathematica

### Language and Media

- Adobe Premiere Pro, Adobe Illustrator, Final Cut Pro, Wondershare Filmora, Proficient in Mandarin, Microsoft Office

## EXPERIENCE:

### Buildout, Inc.

#### Software Engineering Intern

May 2020-Present

- Buildout is a web application for marketing commercial real estate. It produces and publishes custom materials and streamlines the entire property listing process.
- Created social media integration and analytics tracking extension from scratch for the users to utilize through Buildout website.

### After School Matters Advanced Video Production Intern/ Advanced Apprentice

June 2015 – August 2018

- Wrote, directed, produced multiple original scripted short films. Edited different film styles on a multiplicity of editing platforms.

## SCHOOL PROJECTS:

### Machine Learning

#### Programmer

October 2019-November 2019

- Used binary trees and sorting algorithms to recognize certain inputs and classify post on Piazza in C++ for Programming and Introductory Data Structures class.
  - Posts were classified based on keywords and the frequency of use of those key words.

### Maize n' Balloon Weather Balloon Launch

#### Programming Lead

January 2019 – April 2019

- Collaborated with four other team members to create a payload designed to collect data during a weather balloon flight
- Designed and tested a printed circuit board and foam payload container
- Programmed eight different components to work in unity to record and transmit data throughout the flight
  - humidity sensor, accelerometer, pressure sensor, TMP36, thermistor, Xbee, OpenLog, and GPS

## PROJECT TEAM and PERSONAL PROJECTS:

### MBurst GPS Board Payload

#### Programmer

September 2019-Present

- Determined how various GPS sensors performed on weather balloons at high altitude conditions.
- Worked on a payload with an array of 4 different GPS: Adafruit Ultimate GPS, Titan X1, Pam-7Q, Cam-M8

### HATACHE: #BuiltByGirls Challenge Project

#### Solution Architect

July 2016 – August 2016

- Designed a hat that helps to relieve the pain caused by headaches and migraines for the #BuiltByGirls Challenge.
- Developed a prototype
  - Contained an electronic heating and cooling system in the form of a Peltier Plate and a rechargeable power source comprised of lithium batteries and a circuit board. Fabric infused with lavender.

## LEADERSHIP EXPERIENCE:

### Developer Student Club Lead

September 2019-Present

- Leads a community group for students from any academic background in their undergraduate or graduate term.
- Helps students build their professional and personal networks, get access to Google developer resources, and work together to build solutions for local problems in a peer-to-peer learning environment.

### Student Space Systems Fabrication Lab (S3FL) External Relations Co-Chair

April 2020-Present

- Represents S3FL for communications with other organizations within the University of Michigan and outside organizations

### Management Leadership for Tomorrow Career Prep

January 2020-Present

- A member of Software Engineering Track development program

### East Quadrangle Hall Council

#### Innovation Theme Community Representative

September 2018 – June 2019

- Represented the needs and wants of the Innovation Theme Community, an entrepreneurship-based hall, on the Hall Council.

## ORGANIZATIONS, ACTIVITIES, and AWARDS:

- |  |           |                          |
|--|-----------|--------------------------|
| • MBurst: Balloon Recovery and Satellite Testbed design team | Member    | May 2019-Present         |
| • National Society of Black Engineers                        | Member    | September 2018 – Present |
| • Society of Women Engineers                                 | Member    | September 2018 – Present |
| • Engineering Honors Scholarship                             | Recipient | May 2018 – Present       |