Lauren E. Stanciel

stanciel@umich.edu • 312-918-6239 (mobile)

EDUCATION:

University of Michigan- Ann Arbor, Michigan   **Expected Graduation: May 2022**
Bachelor of Science and Engineering in Computer Science/ Minor in Space Engineering   GPA: 2.99/4.0
Whitney M. Young Magnet High School   **Graduation: June 2018**
High School Diploma   GPA: 4.84; 3.8/4.00

RELEVANT COURSES:

- Discrete Math, Applied Linear Algebra
- Programming and Introductory Data Structures
- Rocket Science
- Electronics for Atmospheric and Space Measurements
- Introduction to Computer Organization
- Intro Satellite Design

SKILLS:

- C++/C, Java, JavaScript, Ruby on Rails
- MATLAB, CSS, HTML, Python, Ruby
- Arduino, Racket, Mathematica
- Proficient in Mandarin
- Adobe Premiere Adobe Illustrator
- Final Cut Pro, Wondershare Filmora

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.

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

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

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.

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 for the users through the Buildout website.

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.

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.

LEADERSHIP EXPERIENCE:

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/ACTIVTIES /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