

# LISA LAM

LOOKING FOR A CO-OP/INTERNSHIP · AVAILABLE: SPRING 2021 OR SUMMER 2021

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## Education

### Northeastern University

CANDIDATE FOR M.S. IN COMPUTER SCIENCE - GPA: 3.4/4.0

Expected Graduation Date: Dec. 2021

Boston, MA

Sept. 2019 - Present

### Wentworth Institute of Technology

B.S. IN BIOMEDICAL ENGINEERING - GPA: 3.5/4.0

Graduated Cum Laude

Boston, MA

Jan. 2014 - Aug 2017

## Technical Skills

### Languages

**Proficient:** Java, Python **Familiar:** C/C++, JavaScript, TypeScript, R, SQL, Visual Basic

### Software

Android Studio, IntelliJ, Git, MATLAB, PyCharm, SolidWorks, Visual Studio Code

### Framework/Tools

Firebase, JSON, Node.js, React, XML

### Coursework

Algorithms, Discrete Math, Data Structures, Mobile Application Development, Object Oriented Design

## Projects

### Classroom Management

ServiceNow App

VIRTUAL NETWORK-WIDE SERVICE NOW AND ACCENTURE GRADUATE STUDENT HACKATHON

Aug. 2020

- Designed and implemented a classroom system that allows the Registrar, instructors, and students to practice social distancing for in person classes due to COVID-19 guidelines.
- Monitored where and when the classes take place, classroom capacity, number of students enrolled, number of students attending in person classes, and sends email notifications to students and instructors.

### Sonobyte

Android App

NORTHEASTERN UNIVERSITY

May. 2020 - Aug. 2020

- Developed a mobile application (in Java) that allows for android users to describe their daily life moments using music, emojis, camera services and location to focus on user engagement.
- Utilized Firebase Authentication for user authentication, Firebase Cloud Firestore for storing posts, and Cloud Messaging for notifications.
- Implemented using MusicBrainz API, OpenWeatherMap API, GPS, camera, and microphone sensors.

## Work Experience

### PerkinElmer

Hopkinton, MA

MES ENGINEER (MES = MANUFACTURING EXECUTION SYSTEM)

Sept. 2019 - Present

- Execute basic SQL statements to troubleshoot any issues within the MES system.
- Personalize the MES system to record crucial data and track data for traceability and monitoring purposes.
- Perform changes on the MES system to reflect current product process changes as well as the addition of new products to keep the system up to date with manufacturing process.

### PerkinElmer

Hopkinton, MA

MANUFACTURING PROCESS ENGINEER

Sept. 2017 - Aug. 2019

- Assisted in creating a program in Visual Basic to automate solenoid values on an in-house tool to reduce labor time.
- Team lead for chip manufacturing on an NPI project to ensure manufacturability of a new microfluidic chip design for mass production.
- Utilized SolidWorks to design test fixtures and tools used to manufacture microfluidic chip prototypes.
- Identified potential cost savings and process improvement by researching and validating current and emerging automated technologies.
- Performed design of experiments (DOE) and root cause analysis to determine cause of defects and failures in microfluidic chips.
- Provide support for the cleanroom by troubleshooting any issues that impact production and train cleanroom technicians.