

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.