LISA **LAM**

Looking for a full time position · Available: JANUARY 2022

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Education

Northeastern University *Boston, MA*

Candidate for M.S. in Computer Science - GPA: 3.6/4.0 *Sept. 2019 - Present*

Expected Graduation Date: Dec. 2021

Wentworth Institute of Technology *Boston, MA*

B.S. in Biomedical Engineering - GPA: 3.5/4.0 *Jan. 2014 - Aug 2017*

Graduated Cum Laude

Technical Skills

Languages	**Proficient:** Java, Python, SQL **Familiar:** C/C++, CSS, HTML, JavaScript, TypeScript, R
Software	Android Studio, Axure, IntelliJ, MATLAB, Microsoft SQL Server, Visual Studio Code
Framework/Tools	Firebase, Git, JSON, Microsoft Azure, NodeJS, React, Redux, XML
Coursework	Algorithms, Database Management, Discrete Math, Data Structures, Foundations of Software Engineering, Mobile App Development, Object Oriented Design, UI Development

Work Experience

Income Research + Management *Boston, MA*

Software Engineer Co-Op *May. 2021 - Present*

- Develop and deploy SQL queries to extract and transform data from the data warehouse to import and load into an order management system to improve business goals.
- Program data quality checks in SQL to ensure data is clean and accurate to make insightful trading decisions.
- Create python scripts to analyze files and check for inconsistent data for testing purposes.

PerkinElmer *Hopkinton, MA*

MES Engineer (MES = Manufacturing Execution System) *Sept. 2019 - Present*

- Test and deploy workflow structure changes on MES platform when new products are introduced and when manufacturing process is modified.
- Responsible for maintaining and providing technical support for MES platform.

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 by 90%.
- Led team for chip manufacturing on an NPI project to ensure manufacturability of a new microfluidic chip design for mass production.
- Identified potential cost savings and process improvement by researching and validating current and emerging automated technologies.

Projects

InstaChat *UI Webpage Application*

Northeastern University *Jan. 2021 - Apr. 2021*

- Designed and implemented a groupware application using Javascript, React and Redux that supports synchronous communication, coordination, joint attention, and group awareness.
- Customized the user interface using user-centered design principles and communicated application state and feedback to users.
- Utilized Firebase Cloud Firestore as a database to store, manipulate, and display post data and user data.

Plagiarism Detector *Software System*

Northeastern University *Sept. 2020 - Dec. 2020*

- Designed, implemented, tested and evaluated a plagiarism detection application using Typescript, React, and Greedy String Tiling algorithm to detect similar solutions to an assignment.
- Incorporated Agile Methodology throughout the process to develop a more efficient software application.

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.