

Lia Mason

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Work Experience

Software Developer Intern — MindBridge Ai

May 2020 - Aug 2020. Remote.

- Designed and developed interactive data visualizations with TypeScript, HTML, CSS and Java that show high risk areas in financial statements to make it instantly clear to auditors what areas to focus on.
- Contributed 1000+ lines of code updating front-end components to communicate analytics more clearly to users.
- Provided input on feature design and time estimation in sprint planning meetings, identified and fixed bugs, and reviewed pull requests.

Technical Student Consultant — Loblaw Digital

Jan 2020 - Apr 2020. Toronto, ON.

- Architected a machine learning solution that personalized product listing pages on the Joe Fresh retail site to increase customer conversion rate.
- Collaborated with a team of four students in engineering and business.
- Presented the project to 300+ people at the Canadian Undergraduate Conference on Artificial Intelligence.

Software Quality Assurance Intern — Canadian Bank Note

May 2019 - Aug 2019. Ottawa, ON.

- Automated end-to-end testing for three internal web applications with scripts using Python, Java, Selenium, and SQL, eliminating time-consuming manual testing.
- Accelerated testing by coding a data simulator in Java.

Projects

Life Map Web App — Hack the North

- Developed the front-end (using JavaScript, React, Next.js) for a web app where users can plan their life with daily, monthly, and yearly goals.
- Used AWS Amplify to implement a GraphQL API, database, and authentication

1st place, Climate Hackathon — hosted by RBC and CUSEC

- Developed the front-end (using JavaScript, React, and Gatsby) for a web app that uses a chrome extension to round up the price of online purchases and donate the extra cents to an environmental organization, making it convenient for users to make a continual positive impact.

Projectile Simulator GUI App

- Coded the Graphical User Interface for a C++ application that simulates accurate projectile motion on different planets to educate young students.
- Documented requirements and system design decisions in Confluence and tracked issues and sprints in JIRA to improve team collaboration.

Concert Ticket Web App

- Adopted a test driven development approach to develop a web app (using Python, Flask and SQLite) where users can post or purchase concert tickets.

Education

Bachelor of Computer Science Queen's University

Sept 2018 - May 2022. Kingston, ON.

Software Design Specialization
Dean's Honour List

Relevant Coursework

Software Development Fundamentals
Data Structures and Algorithms
Data Analytics
Software Quality Assurance
Human-Computer Interaction

E-Learning Courses

Learning Hadoop (LinkedIn Learning)
The Web Developer Bootcamp 2021 (Udemy)

Leadership

Co-Chair — Women in QMIND

Apr 2020 - Present. Remote.

Co-founded the WiQ initiative and led a committee to create professional development opportunities for a community of 80+ women in AI.

Computing Orientation Leader

March 2020 - Sept 2019. Kingston, ON.

Mentored 15 incoming students to improve their transition to the computing program. Recognized as best leader by the executive team.

Skills

Web Development, UI/UX Design, Algorithms, Version Control, Software Testing, Agile

Languages and Tools

Java, Python, C, C++, JavaScript, HTML, CSS, Bash, React, React Native, Gatsby, Next.js, Git, Docker

Design

Figma, Adobe InDesign, Adobe XD, Adobe Photoshop