Lia Mason

Third Year Software Design Student

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Work Experience

Junior Software Developer (May 2020 - Aug 2020)
MindBridge Ai
• As part of an agile team, developed user-requested features that were pushed to production for an AI-powered auditing web application.
• Developed interactive data visualizations to communicate the highest risk areas of financial statements uploaded by users.
• Worked with Java, Angular, Typescript, HTML, CSS, Docker, SQL, Git.

Technical Student (Jan 2020 - Apr 2020)
Lobaw Digital
• Designed a machine learning recommendation solution for the Joe Fresh retail site to personalize the order of clothing items on product listing pages, customizable by profit margins and business rules.
• Pitched our project at the Canadian Undergraduate Conference on Artificial Intelligence.

Software Quality Assurance Intern (May 2019 - Aug 2019)
Canadian Bank Note
• Automated testing procedures for internal web applications by writing scripts using Python, Java, and SQL with Selenium WebDriver. Eliminated time-consuming manual testing done between each software build.
• Wrote a Java program to simulate tax stamp data for testing.

Projects

Physics Projectile Simulator (Sept 2020 - Nov 2020)
• Developed a C++ GUI app that allows the user to simulate projectile motion on different planets with different environmental conditions and physical properties.

Game Development (Feb 2020 - Apr 2020)
• Created an infinite runner game using Unity game engine with scripting in C#.

Meal Planner Mobile App (Nov 2019 - Dec 2019)
• Developed a React Native mobile app for grocery planning, recipe ideas and meal planning.

Education

Bachelor of Computer Science
Queen's University
• Expected Grad: May 2022
• Software Design Specialization
• Dean's Honour List

Coursework
Data Analytics, Software Development Fundamentals, Data Structures & Algorithms, Software Quality Assurance, Operating Systems, Business, Psychology

Skills

Languages
Java, Python, JavaScript, C++, C, SQL, HTML, CSS, Sass, Bash

Tools & Technologies
React, Gatsby, Angular, REST API, Selenium, KNIME, Git

Design
Figma, Adobe InDesign, Adobe XD, Adobe Photoshop

Extracurriculars

Co-Chair of Women in QMIND (Apr 2020 - present)
• QMIND is a 200+ member AI & ML organization at Queen's.

• Currently leading the initiative Women in QMIND to support members through community events, and professional development opportunities.