

Thomas Britnell

SOFTWARE ENGINEERING GRADUATE

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Summary

- Software Engineering Recent Graduate with technical and interpersonal skills proven through course work and a year long co-op position.
- Extensive **Object-Oriented programming** experience with **C#, Java, C++**, and **Python** through various work and academic experiences.
- Strong **prioritization, collaboration** and **communication** skills gained through driving various academic and work related projects.

Education

Bachelor of Engineering - Software Engineering (Co-op)

Hamilton, ON

McMASTER UNIVERSITY

September 2017 - April 2022

- Summa Cum Laude
- McMaster President's Award 2017
- Activities: McMaster Badminton Club
- Relevant Course Work: **Databases, Data Structures & Algorithms, Digital Systems & Interfacing, Operating Systems, Concurrent Programming**, Principles of Programming, Software Testing, Software Project Management, Software Design, Computer Architecture, Computer Graphics, Human Computer Interfaces, Probability & Statistics for Engineering, Discrete Math

Work Experience

Adlib Software

Burlington, ON

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January 2020 - December 2020

- Worked alongside a team following the scrum method, leveraging several technologies to design, implement and test new features for enterprise level software.
- Collaborated with the AI team to integrate AI document identification and classification features into the product.
- Completed QA regression testing using both manual and automated methods to ensure that developed features were up to strict quality standards.
- Languages/Tools: **C#, Azure DevOps Server, Visual Studio**, .Net, Microsoft SQL Server Management Studio, Selenium

Projects

"BrickBuilder"

Remote

McMASTER UNIVERSITY

Fall 2021

- Created a fully modularized 'LEGO' style brick modeling application, using matrix calculations to allow for transformations, rotations, and translations of the bricks in 3D space.
- Included lighting and material rendering.
- **Languages/Tools:** C++, FreeGlut, OpenGL, Visual Studio Code, GitLab

"Minimo"

Remote

McMASTER UNIVERSITY

Winter 2021

- Worked with a team on an open source Google Chrome extension that replaces the homepage. We cleaned up and modularized the whole code base, as well as added new features.
- These included voice control support using the annyang API, a todo list, clock and localized weather using the OpenWeather API.
- **Languages/Tools:** JavaScript, Mocha.js, node.js.

Tool Kit

Key Strong | Intermediate

Languages Python, C#, Java, C++, SQL, Matlab, C, JavaScript

Tools OpenGL, Git, Azure, JUnit, Javadocs, Matlab Simulink, Go DB2, .Net, Mocha.js, node.js

Environments Visual Studio, Eclipse, Jupyter, Microsoft SQL Management Studio