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*

Software Engineer Intern *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 Univerity *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

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