

# Lucas Thiessen

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 <https://github.com/lucasthiessen14> |  <https://lucasthiessen14.github.io/>

## Skills

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Languages: **C++, HTML/CSS, JavaScript, Python, PHP**

Tools: **Arduino, Atom, Git/GitHub, MongoDB Atlas, Visual Studio**

Libraries/Frameworks: **Bootstrap, Express, Laravel, Node.js, Pandas, Pygame, React, Requests**

Soft Skills: **Teamwork, Strong Communication Skills, Highly Productive, Result Driven, Adaptable**

## Experience

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### COMPUTING ASSISTANT CO-OP | UNIVERSITY OF WATERLOO | SEPTEMBER 2021 – DECEMBER 2021

- Developed mobile views for the Faculty of Arts asset management website using **PHP, HTML**, and **JavaScript**
- Responsible for software maintenance across the Faculty of Arts application and asset management websites
- Provided desktop and hardware support for students and staff in the Faculty of Arts

### SUPPORT ANALYST CO-OP | REGIONAL MUNICIPALITY OF YORK | JANUARY 2021 – APRIL 2021

- Provided cellular and desktop support to the employees of the Regional Municipality of York
- Identified and resolved employee issues using **service desk ticketing software, BlackBerry UEM** and **Microsoft Intune**
- Composed support documentation to aid employees in fixing common issues reducing the amount of time required to solve simple issues

## Projects

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### ARDUINO ALARM SYSTEM | FEBRUARY 2021

- Constructed a home alarm system using **Arduino**
- Programmed **Arduino** with a **C-based** language. Utilized **LCD display, ultrasonic sensor, sound sensor, 4x4 membrane keypad, resistors**, and other electrical components

### SUDOKU GAME/SOLVER | AUGUST 2020

- Developed a Sudoku solving application with **python** using the **Pygame** library utilizing **recursion** and **backtracking** methods
- Created a user interface allowing users to manually add and verify their own solution

### EMPLOYEE TRACKER WEB APPLICATION | AUGUST 2020

- Created a full stack web application using the **MERN** stack to track employee information at a business
- Implemented a **MongoDB Atlas** database to store employee and job description information
- Developed a front-end using **react** allowing users to add, delete, and display, employee and positions information

## Education

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### UNIVERSITY OF WATERLOO | EXPECTED 2025

Bachelor of Applied Science in Computer Engineering