



# HEATHER MUSSON

SOFTWARE ENGINEERING

## CONTACT

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 heathermusson

 heathermusson.com

## SKILLS

- Javascript, GraphQL, SQL, jQuery, Java, Python, C++, C, HTML and CSS
- Ruby on Rails, ReactJS, Bootstrap, Skeleton, and Ember.js
- Adobe Creative Suite, Sketch, and Figma

## EDUCATION

### UNIVERSITY OF WATERLOO

2017 - Present

Bachelor of Software Engineering  
HeForShe Impact Scholarship

## VOLUNTEERING

### GRADS GIVING BACK

#### LEADERSHIP TEAM

St. Mildred's Lightbourn School  
2016 - 2017

Organized volunteer and charity events for the graduating class of 2017 including food drives, visits to retirement homes, and fundraising activities. Generated total donations of over \$3000.

## INTERESTS

- Horseback Riding
- Rock Climbing
- Volleyball
- Ultimate Frisbee
- Cooking
- Interior Design
- Photography

## EXPERIENCE

### WEB DEVELOPER

Shopify | May - August 2020

- Major contributor to the migration of the merchant admin UI from Ruby on Rails to React paired with TypeScript and GraphQL.
- Proactively fixed permissions issues in Ruby on Rails which would have caused millions of users to be unable to access a portion of the admin UI.
- Rewrote hundreds of tests to use an updated testing utility which improved the developer experience and fixed tests which frequently failed.

### FULL STACK WEB DEVELOPER

Smile.io | September - December 2019

- Implemented the foundation for translating the Ember and React user interfaces into multiple languages.
- Responsible for implementing new features in the Ruby on Rails backend including improvements to the existing architecture.
- Worked directly with customers to identify problems with the platform as well as develop solutions to these problems.

### FULL STACK DEVELOPER

Brisk Synergies | January - April 2019

- Responsible for the design, implementation, testing and continued maintenance of a new self-serve video calibration platform.
- Worked in a Ruby on Rails environment with Google Maps, and Google Charts APIs to create new safety dashboards.

### FULL STACK WEB DEVELOPER

PharmAchieve | May - August 2018

- Created Python scripts to automate the marketing workflow.
- Designed and built email templates to increase customer engagement.

## RELEVANT PROJECTS

### FOREST

- Created a Ruby on Rails and React web application that tracks infectious disease spread through hospitals and long-term care facilities.
- Tracks the movement of staff members and will notify them if they have been in contact with a patient who has tested positive for an infectious disease.

### UW HOUSING

- Creating a centralized system for Waterloo students to find short-term housing options, as well as post their own listings.
- Uses Google's Maps API, and built using Ruby on Rails, with PostgreSQL.

### FIRST YEAR DESIGN PROJECT

- Constructed a C-based Arduino Connect 5 game using an LED matrix, and an LCD screen.
- Computer player only lost once after 30+ minutes of game play.