HEATHER MUSSON

SOFTWARE ENGINEERING

CONTACT

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SKILLS

- Ruby on Rails, Javascript, jQuery, Java, Python, SQL, C++, C, HTML and CSS
- React, Bootstrap, Skeleton, and Ember
- 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
- Contributor to the Ruby on Rails to React port of the Shopify Admin which decreased page load times by up to 10 seconds.
- Worked in ReactJS with Reselect, Context API, and GraphQL.
- Collaborated with content strategists and UX professionals to improve the user experience.
- Implemented additional user management controls in the Shopify Plus Admin.

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.