HEATHER MUSSON

SOFTWARE ENGINEERING

CONTACT

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SKILLS

- HTML, CSS, Ruby on Rails, C++, C, Java, JavaScript, jQuery, Python, and SQL
- Bootstrap, Skeleton, Ember and React
- 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

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.
- Performed multiple migrations on a massive PostgreSQL database and worked on a complex code base with many microservices.
- 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.
- Worked with UX professionals to design a new user interface.

FULL STACK WEB DEVELOPER
PharmAchieve | May - August 2018

- Created Python scripts to automate the marketing workflow.
- Revamped existing marketing strategies by employing A/B testing to generate more referrals and more repeat customers.
- Designed and built email templates to increase customer engagement.
- Analyzed email marketing results to improve future campaigns.

RELEVANT PROJECTS

UW HOUSING

- Creating a centralized system for Waterloo students to find short-term housing options, as well as post their own listings.
- Intended to replace the current disorganized system of posting ads in Housing Groups on Facebook.
- Uses Google's Maps API, and built using Ruby on Rails, with PostgreSQL.

RESPONSIVE WEB DEVELOPMENT

- Created several responsive websites using the Bootstrap framework.
- Re-designed business' webpages to reflect changing business opportunities as well as current web design trends.

FIRST YEAR DESIGN PROJECT

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