

# Remi Marchand

## Web Developer

B.Sc with a Minor in  
Computer Science



Kitchener, ON



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## About me

- Software developer with a range of interests from Linux to React - focus on front-end
- A curiosity that has driven me to use Arch Linux as my daily OS, build a 47-key mechanical keyboard, and become proficient in VIM
- I jump on the opportunity to implement new technologies (React + Redux, Docker, Elm, and more) of my own accord
- Coursework in Python, C, C++, Bash, and SQL; self-taught most other skills on the job
- Familiar writing clean, modular code and using VCS such as Git

## Computer Skills

### General

- Bash, Git, Docker, REST APIs, Unit Testing, E2E Testing, CI + CD

### Languages

- ES6+, Python, HTML, CSS, C++, C, (strong interest in Rust)

### Web Development

- React, Redux, Webpack, Node, Jest/Mocha/Chai, Puppeteer, AngularJS, Express

### Databases

- MongoDB, Elasticsearch, SQL, (interest in Neo4j)

## Hobbies

- Shameless music nerd; pianist, violinist, listener of soundtracks
- Exploratory home cook; signature dish: teryiaki salmon
- Fitness enthusiast in training

## Work Experience

Present-  
Jan 2018

Software Engineer

Acerta, Kitchener

- Led an effort to design and develop web dashboards in React to display Acerta's machine learning results for the purpose of providing meaningful, data-driven insights to clients
- Took ownership over all aspects of the front-end including its architecture and testing to meet tight deadlines and ship product
- Guided other team members (interns and peers) towards our vision
- Participated as a member of the technical team to enforce git practices, perform code reviews, and participate in sprint meetings

Fall 2016

Full-Stack Web Developer

Ontario Institute for Cancer Research, Toronto

- Worked on a wide range of deliverables including unit testing and deployment to help gain further funding for the project
- Modernized an old codebase with tech such as Docker and Webpack

Spring 2016

Bioinformatics Research Assistant

National Microbiology Laboratory, Guelph

- Implemented automated curation of > 63,000 Salmonella samples using custom spellchecker and controlled list modules
- Significantly reduced manual curation required

Fall 2015

Computational Cancer Genomics

SickKids Hospital, Toronto

- Worked as part of a team to characterize paediatric cancer samples using a high performance computing cluster
- Reduced the number of false positive translocations called by our pipeline 10-fold; from an average of 150 to an average of 16
- <http://science.sciencemag.org/content/361/6405/eaam8419>

## Additional Experience

July 2019

Acerta Hackathon

Acerta, Kitchener

- Spearheaded an initiative to run a hackathon at work as a way to gain new skills and work with new people
- Figured out how to program an arduino so that it could broadcast sound data over wifi (for the exercise)
- Guided activity leaders in running their respective sections
- Received positive feedback from participants and gained confidence in my ability to coordinate medium-sized events

Present-

June 2019

Personal Blog

- Set up a personal blog to learn about web hosting (including wordpress) and to have an online presence: <https://remimstr.com>
- Began a blog series involving solving leetcode problems in Rust and writing about my solutions

Apr. 2019-  
Oct. 2018

Front-End Web Developer

Faculty of Math, University of Waterloo

- Worked on a website to provide a solar array sizing selection tool to the public: <https://github.com/Remimstr/SizingWeb>
- Took advantage of the opportunity to learn Elm along with functional programming paradigms

Present-

July 2019

Coding Meetup Attendee

Kitchener/Waterloo

- Attend meetups as a way to network, learn new things, and share my work (presented my keyboard at a DevHouse Waterloo event!)

## Awards

June 2010

First Class Honours with Distinction for 90% on grade 10 piano exam