

Remi Marchand

B.Sc, Honours Biology,
Computer Science Minor



Waterloo, ON



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About me

- Full-stack web developer with a passion for and focus on front-end
- Excited by new challenges; I love being thrown into the "deep end" of a project
- Jumps on the opportunity to implement new technologies (previously Docker, Elasticsearch and more) of my own accord
- Coursework in Python, C, C++, and Bash; 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, Unit Testing, E2E Testing, Automated Deployment

Web Development

- React, Redux, Webpack, AngularJS, NodeJS, ExpressJS, Jest/Mocha/Chai, Cypress.io

Databases

- MongoDB, Elasticsearch, SQL, Neo4j

Languages

- Python, Javascript, Coffeescript, C++, C, (interested in Elm)

Hobbies

- Shameless music nerd; Pianist, violinist, and composer. Check out: <https://soundcloud.com/remi-marchand>
- Self-taught chinese home cook; Signature dish: sweet and sour fish tiles
- Fitness enthusiast in training

Work Experience

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|-------------|---|--|
| 2018 | Software Engineer | Acerta, Kitchener |
| | <ul style="list-style-type: none">• Re-designed, re-architected, and re-built the company's client-facing web application from scratch in React/Redux• Collaborated with members from Acerta's business team and clients to design an intuitive and functional user interface• Worked as part of the company's engineering team to enforce git practices, perform code review, and participate in sprint meetings | |
| Fall 2016 | Full-Stack Web Developer | Ontario Institute for Cancer Research, Toronto |
| | <ul style="list-style-type: none">• Worked on a wide range of deliverables including unit testing and deployment to help gain further funding for the project• Refactored and updated an old codebase (2014 MEAN stack) to include new technologies including Docker and Webpack | |
| Spring 2016 | Bioinformatics Research Assistant | National Microbiology Laboratory, Guelph |
| | <ul style="list-style-type: none">• Created tools for the curation of > 63,000 Salmonella samples to produce a collection of metadata for further analysis• Implemented automation using custom spellchecker and controlled list modules reducing manual curation required | |
| Fall 2015 | Computational Cancer Genomics | SickKids Hospital, Toronto |
| | <ul style="list-style-type: none">• 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 | |
| Winter 2015 | Instructional Support Assistant | Faculty of Math, University of Waterloo |
| | <ul style="list-style-type: none">• Supported students learning computer science for the first time by hosting office hours and providing 1-on-1 guidance | |

Volunteer Experience

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|-----------|---|--|
| 2016-2018 | Science Ambassador | Faculty of Science, University of Waterloo |
| | <ul style="list-style-type: none">• Provided insights into life as a Waterloo science student to prospective students | |
| 2013-2014 | Advanced Medical First Responder | UW Campus Response Team |
| | <ul style="list-style-type: none">• Volunteered close to ninety hours to provide first aid on campus | |

Relevant Courses

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| Fall 2017 | CS 246 - Object Oriented Software Development |
| | <ul style="list-style-type: none">• Learned the fundamental principles of object oriented programming and software development in C++ |
| Fall 2017 | CS 338 - Relational Databases |
| | <ul style="list-style-type: none">• Became comfortable with relational algebra, SQL, entity-relationship diagrams, and their applications |
| Fall 2016 | CS 234 - Data Types and Structures |
| | <ul style="list-style-type: none">• Learned to choose and implement the appropriate abstract data type(s) and algorithm(s) for the job accounting for running time |

Awards

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|-------------|---|
| Winter 2016 | Dean's Honour List |
| April 2014 | Grebel Student Life Award for contributions to residence |
| June 2013 | English and Music Awards, Grade 12 |
| June 2010 | First Class Honours with Distinction for 90% on grade 10 piano exam |