

Employment

Software Engineer & Designer **Acerta** **July 2018 – Present**

- Designed and built LinePulse, the core product which provides machine learning-driven insights to clients.
- Developed over 10 Demo UIs for sales pitches to prospective clients.
- Maximized code reuse and facilitated marketing by splitting our product into modules for different use-cases.
- Mentored co-op students and led initiatives such as a company hackathon.

Full-Stack Developer Intern **Ontario Institute for Cancer Research** **Winter & Spring 2017**

- Helped the project gain further funding by modernizing an old codebase.
- Updated page designs and added new features such as search functionality.
- Reduced deployment effort of the front-end using technologies such as docker-compose and webpack.

Bioinformatics RA Intern **National Microbiology Lab** **Spring 2016**

- Implemented automated curation of > 63,000 Salmonella samples using a custom spellcheck and controlled list modules, significantly reducing the amount of manual curation required.

Comp. Cancer Genomics Intern **SickKids Hospital** **Fall 2015**

- Contributed towards a publication characterizing a pediatric cancer.
- <https://science.sciencemag.org/content/361/6405/eaam8419>
- Reduced the number of false positive translocations called by our pipeline 10-fold; from 150 to 16.

Education

Waterloo, ON **University of Waterloo** **Fall 2013 – May 2018**

- B.Sc. in Biology with Minor in Computer Science.
- Coursework: C/C++/Python; Databases; Algorithms; Networking; Bioinformatics Algorithms.

Technical Experience

Projects

- **COVID-19 Globeview** (2020). Developed a tool for visualizing the spread of COVID-19 on a globe broken down by region and time. Garnered over 10k website visits from posting on reddit and facebook.
- **Personal Website** (2020). Portfolio site for showing off my work: <https://remimstr.com>

Languages and Technologies

- **Languages:** JavaScript, TypeScript, CSS, Python, SQL, C (prior experience), C++ (prior experience)
- **Frameworks & Libraries:** React, Redux, Svelte, AngularJS, OpenAPI/Swagger
- **Tools:** Docker, Linux, Microsoft Azure, Node.js, Webpack, Jest, Mocha/Chai, Selenium, Nginx, MongoDB (prior experience), Elasticsearch (prior experience)