

George Steel

Technologies and Languages

- Languages C++, JavaScript, Haskell, Python, SQL, T_EX
- Technologies WebAnimations, Blink, WPT, CSSWG specs, Warp, OAuth, Persistent/Esqueleto, Postgres/CockroachDB, React-native, Flask

Education

- 2010–2016 **University of Toronto**, *Hon. B. Sc. in Mathematics*.
- Minors in Computer Science and Biology.
 - Graduated with High Distinction (GPA 3.9).

Employment History

- Jun 2019 – **Software Developer**, *Chrome Animations*, Google Canada.
- Nov 2020
 - Helped complete and launch the WebAnimations API, giving a unified script interface to all declarative animations.
 - Numerous bugfixes and optimizations including allowing percentage transform animations (sidebars and some popups) to run off-thread, reducing jank across the internet.
- Nov 2017 – **Full-stack Software Developer**, *Satsuma Labs*.
- Feb 2019
 - Created a prototype mobile application using a Haskell backend and a React-Native frontend.
 - Developed a number of open-source libraries furthering the Haskell web service and react-native ecosystems. (Available at <https://github.com/SatsumaLabs>)
- May 2016 – **Software Developer**, *Peter Jurgec*, Linguistics, University of Toronto.
- May 2017
 - Created browser-based educational software used in introductory phonology courses (<http://phonology.us/>).
 - Rewrote and further developed a research tool for analyzing the relative frequency of sound patterns. This involved finite automata and maximum entropy machine learning. (Available at <https://github.com/george-steel/maxent-learner>)
- Sept 2014 – **Private tutoring**.
- May 2016 Helped a student overcome her difficulties and pass multiple specialist-level math courses she had failed on her previous attempts.
- Sept 2013 – **IT Assistant**, *ENAGB Youth Program*, Native Canadian Centre of Toronto.
- Mar 2014 Created a responsive website for the ENAGB program (featuring a dynamic events calendar) along with a variety of promotional materials (posters, brochures, business cards, etc.) for the program.
- Summer 2011, 2012 **Summer Research Assistant**, *Gilbert Walker*, Chemistry, University of Toronto.
- Summer 2010 **Intern**, *Kerr Vayne Systems*.
- Created a web application to stream real-time data for schedule display in a broadcast automation system.