





Cameron McCuaig

3A Computer Science

 cdmccuai@uwaterloo.ca |  226-808-6056 |  [Cameron McCuaig](#) |  [cdmccuaig](#)

SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, Python, C, C++

Tools: Git, Github, Jira, Jenkins, Selenium, React, Node, Bootstrap

Time Management skills gained by competing as a Varsity Athlete on the University of Waterloo swim team (14+ hours/week) while maintaining excellent academic standing

Communication expertise at creating and maintaining technical documentation

WORK EXPERIENCE

Software Developer in Test

TELUS Health. Cambridge, Ontario

January, 2020 – April, 2020

- Developed and maintained 300+ automated test cases for a web-based EMR using **Python** and **Selenium**
- Modified a load-balancing algorithm that deployed test cases, reducing nightly run execution by over 6%
- Designed plan to improve load-balancing algorithm using a REST API to obtain previous execution times, basing load-balancing weight function off of execution time as opposed to number of test cases
- Improved the testing framework by refactoring the load timers and expanding the toolset available to test the platform functions

PROJECTS

Road Runner (Python)

September 2019

- Used pygame libraries to create a small object-oriented game where the player has to dodge projectiles to stay alive

Personal Website (ReactJS, SCSS, TypeScript)

August 2020

cameron-mccuaig-cs.live

- Created a personalized website using ReactJS, SCSS and TypeScript

VOLUNTEER

Assistant Swim Coach

Region of Waterloo Swim Club. Waterloo, ON

September, 2015 – June, 2018

- Helped lead multiple groups of aspiring swimmers over the course of multiple seasons by suggesting changes to stroke technique and giving advice on how to prepare for a race
- Helped 8 swimmers qualify for their first regional championship in final year of coaching

ACCOMPLISHMENTS

- Canadian Record holder in Paralympic swimming (50 and 100 backstroke)
- Competed at the Olympic/Paralympic Trials in 2016, invited to compete in Olympic/Paralympic Trials in 2020
- University of Waterloo President's Scholarship of Distinction

EDUCATION

University of Waterloo: Candidate for Bachelor of Computer Science

September 2018 – Exp. 2023

- University of Waterloo Dean's Honours List for excellent academic performance in 1B and 2B term
- 2018-2019 Academic All Canadian
- Cumulative Average of 88.2%