Alex Foley

📞 (519) 496 5555 • ✉ alex.foley@uwaterloo.ca • 🖥 foleyfactor.github.io

Skills

- Proficient in Python, Java, JavaScript, Racket, HTML/CSS, C++
- Experience with: Android, Arduino, Firebase, jQuery, and WordPress
- Excellent communication, problem solving, and collaboration skills with ability to work independently

Education

University of Waterloo   **Waterloo**
Bachelor of Computer Science (Co-op)   *2021*

Experience

Webmaster/IT Consultant   **Waterloo**
Ontario Table Tennis Association   *July 2015 – August 2016*
- Replatformed and maintained the Ontario Table Tennis website in WordPress
- Evaluated and customized WordPress templates to create a responsive site
- Designed and wrote Python scripts for content migration and automation
- Created FormCraft online forms including club membership applications, expense forms, and tournament registration
- Created and sent MailChimp newsletters and templates

Lab Assistant   **Waterloo**
Waterloo Region District School Board   *September 2014 – June 2016*
- Maintained and cleaned the science classrooms, preparation rooms, and equipment
- Prepared labs for science classes and clubs
- Helped train new lab assistants

Projects

timber   **HTML/CSS, JavaScript (jQuery), Cordova, Firebase**
Waterloo CodeFest: 1st Place
- Mobile application that allows Waterloo residents to connect with each other, through trees
- Users can schedule meetups, vote on trees, and report any required maintenance to the city
- Worked on the back-end, including integrating Firebase functionality with the front-end

Sandwich-o-matic   **Arduino/Photon, Hardware Components**
ECHacks: Finalist, Best Hardware Hack
- Automated IOT sandwich-maker with voice control
- Users can say "make me a sandwich with [toppings]" and the machine toasts the bread, dispenses the toppings, and makes the requested sandwich
- Created the embedded software to process requests and facilitate all of the servo/motor movements to create the sandwich

Intercode   **HTML/CSS, JavaScript (jQuery), Firebase**
hack.summit(): Top 100
- Web application that teaches how to program in a fun, interactive way
- Users indicate interests and learn to program in Python, earning points and unlocking levels as they go
- Designed lessons and worked on the back-end, including creating lesson verification and integrating Firebase functionalities with the front-end

Awards/Achievements

Sir John A. Macdonald Gold Medal Award: Awarded to the student with the highest average in his/her top six grade twelve courses at Sir John A. Macdonald Secondary School.

University of Waterloo Math Entrance Scholarship: **$10 000**, Awarded to students entering the Faculty of Mathematics, based on previous contest scores and academic performance.

University of Waterloo Table Tennis Team Member: Member of the Co-ed A Team that plays in table tennis tournaments against other universities from Canada and the US.