Michelle Wysocki

mnwysock@uwaterloo.ca (519) 404-3622 michellenw mnwysocki

Highlights of Qualifications

+ Most experienced with **Java** and **Racket**, strong exposure to **C**, **HTML**, and **CSS**, dabbled in **Python**
+ Familiar with **Git**, **Unix**, and **Vim** through personal development
+ Prior co-op and research experience both done at the University of Waterloo

Education and Professional Development

// Candidate for Bachelor of Computer Science, University of Waterloo 2016 - Present

Relevant courses:

+ Designing Functional Programs: taught in **Racket**; syllabus includes linear and nonlinear data structures, abstraction, encapsulation, generative and structural recursion
+ Elementary Algorithm Design and Data Abstraction: taught in **C**; syllabus includes iterative and recursive sorting algorithms, lists, stacks, queues, trees, abstract data types

// Quantum Cryptography School for Young Students, University of Waterloo 2015

+ International program specializing in quantum computing where we learned undergraduate and graduate mathematics and physics concepts

Projects

// Personal Website - MichelleWysocki.me 2016 - Present

+ Currently working on a personal website to display future projects using **HTML** and **CSS**

// Modified Version of Dijkstra's Dining Philosophers 2016

+ Completed in **Java** for a grade 12 computer science course
+ Learned basic concurrency principles and utilized advanced tools including semaphores and threads

Work/Volunteer Experience

// Refugee Homework Help Tutor, Frontier College 2015

+ Tutored refugee high school students one-on-one in math and English literature
+ Increased students' grade average and overall understanding, displaying strong communication skills

// Engaging in Engineering and Entrepreneurship Camp Ambassador 2015

+ Mentored students using knowledge gained through attending the program previously and assisted students in preparation for a successful pitch competition

// Biophysics Research Assistant, University of Waterloo 2014 - 2015

+ Aided lead researcher to successfully complete report on interaction of daptomycin with lipid membranes

// Summer Co-op with Charity Republic 2014

+ Researched and compiled a 96 page volunteer management competitor analysis report used to implement effective corporate strategy

Awards

+ University of Waterloo President's Scholarship of Distinction (Entrance average 95% +) 2016
+ Dr. Mabel B. Dunham Award for female with highest graduating average, St. Mary's HS 2016
+ Award of Distinction for Math, Science and Technology, St. Mary 's HS 2016
+ Second Place in Google 40Forward Pitch Competition 2014