First Year Computer Science Student

Michelle Wysocki

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Highlights of Qualifications

+ Most experienced with **C** and **Racket** with strong exposure to **Java**, **HTML**, and **CSS**
+ Familiar with **Git**, **Unix**, and **Vim** through personal development
+ Excels at working individually as well as in a team environment as demonstrated through previous co-op and research experience

Work Experience

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

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

// 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, Waterloo 2015

+ Demonstrated leadership by mentoring students using knowledge gained through attending the program previously and assisted students in preparation for a successful pitch competition

// Summer Co-op with Charity Republic, Waterloo 2014

+ Utilized organization and deductive reasoning skills to research and compile a 96-page volunteer management competitor analysis report used to implement effective corporate strategy

Projects

// Personal Website - MichelleWysocki.me 2016 - Present

+ Currently creating a personal website to display future projects using self-taught **HTML** and **CSS**

// Modified Version of Dijkstra's Dining Philosophers 2016

+ A take on the classic Dining Philosophers problem completed in **Java** for a grade 12 course
+ Learned fundamental concurrency principles; utilized advanced tools including semaphores and threads

Education and Professional Development

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

Relevant courses:

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

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

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

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