MIDORI ARMSTRONG

Computer Engineering | University of Waterloo
(604) 783-7416 **|** mbarmstr@edu.uwaterloo.ca **|** midoriarmstrong.github.io

SUMMARY OF QUALIFICATIONS

- Technologies and languages:
  - Experienced with **PHP, JavaScript** (particularly JQuery and CasperJS), Cypher, Sass, CSS3, and HTML5.
  - Practiced with **Java**, C, C++ Batch and Shell scripting, and **Git**
  - Proficient with the Laravel framework, **Codeception** and the Neo4j **graph database**
- Strong **communication** and **teamwork** skills: discussed current work and code implementation ideas daily with co-workers to minimize refactoring and merge conflicts
- Excellent **time management skills**: successfully juggled tutoring, council duties, and academics last term
- High **work ethic**: worked extra hours and at home when necessary at critical times

WORK EXPERIENCE

- **Full Stack Web Developer,** GatewayiQ, Cambridge, ON   **Sep. 2016 – Dec. 2016**
  - Collaborated on a Laravel-based website using the Model-View-Controller design pattern and **object-oriented programming** principles
  - Developed a site theming and user profile customization system with **PHP**, JavaScript, Sass, and HTML5
  - Ensured maintainability of code through writing Codeception **integration and acceptance tests**, careful commenting, and comprehensively fixing bugs and poor coding style
  - Actively discussed and debated implementation ideas for website modules with team members
- **QA Analyst,** SurfEasy Inc., Toronto, ON   **Jan. 2016 – Apr. 2016**
  - Independently learned JavaScript and its utility, CasperJS, to develop automation code for Jenkins
  - Developed **batch** and **shell** scripts outside of work hours to improve efficiency in manual testing
- **Software Developer,** Sparhawk Software, Vancouver, BC (remote)   **Feb. 2016 – Mar. 2016**
  - Developed an Advanced Message Queuing Protocol (AMQP) subscriber with JSON parser in C for use in embedded systems for the Internet of Things

PERSONAL PROJECTS

- **Personal Website**   **Apr. 2016 – Present**
  - Refactored website to use Sass and Liquid templating rather than basic CSS3/HTML5 as used originally
  - Designed and created all image assets through GIMP
  - Ensured website followed **semantic HTML** principles and featured a fully **responsive UI**
  - Created JavaScript tools to solve simple discrete math problems with full steps
- **Optimizing the Angle to Hold an Umbrella,** IB Mathematics Standard Level   **Dec. 2014 – Mar. 2015**
  - Creatively incorporated topics learned in the course such as calculus, vectors, and trigonometry

LEADERSHIP EXPERIENCE

- **Engineering Councillor,** University of Waterloo Federation of Students   **May 2016 – Present**
  - Fulfilled main campaign promise of triggering referendum within months of election
  - Engaged constituency and kept them informed through surveys and Facebook posts
- **Japanese Tutor,** University of Waterloo Culture and Exchange Club   **Sep. 2015 – Aug. 2016**
  - Taught students of varying skill levels the basics of Japanese using a self-designed lesson plan

EDUCATION

- **Candidate for Bachelor of Applied Science,** University of Waterloo, Waterloo, ON   **Sep. 2015 - Present**
  - Awarded the **IESO Undergraduate Engineering Award** for academic achievement and leadership
  - Ranked academically among **top 10%** of cohort last term