MIDORI **ARMSTRONG**

Computer Engineering | University of Waterloo

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**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