

**ERICA XU**  
2B Computer Science  
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#### SUMMARY OF QUALIFICATIONS

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- Created and maintained websites with PHP, HTML, CSS, and JavaScript with jQuery
- Experienced with programming in C/C++, Scheme, bash, Java, and Python
- Familiar with Photoshop and wireframing tools such as Balsamiq and Azure
- Quick and enthusiastic learner, able to pick up new technologies in a short period of time

#### WORK EXPERIENCE

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**Web Developer**, *Dominion Bond Rating Service (DBRS)* *May - August 2012*

- Helped maintain and improve the corporate website [www.dbrs.com](http://www.dbrs.com)
- Picked up quite a few technologies in four months: PHP with Symfony, MVC architecture, PL/SQL, Selenium testing suite, NetBeans, MySQL, Batch, Balsamiq, C#.NET
- Made use of SVN and Agile/Scrum while working in a small team
- Worked with databases of considerable size with both Oracle 11g and MySQL
- Documented various processes for the team wiki and contributed to the company co-op program

**Teaching Assistant**, *AceBase Foreign Language Training Center* *November 2010 - August 2011*

- Responsible for communicating with students and parents for feedbacks
- Revamped the vocabulary testing procedures by randomizing tests

**Web Designer and Developer**, *Sharpscope Precision Industrial Co., Ltd.* *July 2009 - Jan 2010*

- Designed, prototyped and developed the first version of the company website
- Designed the brochure for a product with Photoshop, available at [www.ericaxu.com/files/brochure.pdf](http://www.ericaxu.com/files/brochure.pdf)

#### SKILLS

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**Programming:** C++, Scheme, bash, C, Java, Python, L<sup>A</sup>T<sub>E</sub>X

**Web Development:** HTML, CSS, JavaScript with jQuery, PHP with Symfony framework, Backbone.js

**Design:** Interface prototyping with Balsamiq and Azure, Photoshop

**IDEs:** NetBeans, Visual Studio, Coda, Eclipse, DrRacket

#### EDUCATION

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**Bachelor of Computer Science** *September 2011 - Present*

*University of Waterloo, Waterloo, ON*

- Awarded with University of Waterloo Merit Scholarship
- Relevant courses
  - **CS 246:** Object-Oriented Software Development
    - \* Language used: C++
    - \* Topics: encapsulation, inheritance, polymorphism, and various design patterns
    - \* Final project: command line version of the Hearts game with the option to play with smart, random, or human players
  - **CS 136:** Elementary Algorithm Design and Data Abstraction
    - \* Language used: Scheme and C
    - \* Topics: memory management, efficiency analysis, search techniques, abstract data types
  - **CS 135:** Designing Functional Programs
    - \* Language used: Scheme
    - \* Topics: recursion, dictionaries, binary search tree, anonymous function, backtracking
    - \* Final project: computer puzzle player