LONGYOU CAI

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2B Honours Bachelor of Computer Science, University of Waterloo (20534201)

Skills and Certifications

○ Programming: C++, R, Ruby, advanced algorithms and data structures
○ Web stack: PHP, HTML5, CSS, JavaScript, SQL
○ Data science: Regression models, decision trees/forests, boosting, SVMs

Experience

Connexions.org   **Toronto**
Web Designer   *2014*

○ Created responsive homepage prototype
○ Built PHP templates and classes
  - Layout templates
  - Login and user account classes

YPlanet Digital Learning Services   **Toronto**
Assistant Instructor   *2010–2013*

○ Aided in the instruction of new customers
○ Lead the digital leaders program
  - Taught local youth computer literacy skills and application use
  - Procured and set up new hardware for the program
○ Maintained computers and local network, and solved technical issues of customers

Education

University of Waterloo   **Waterloo**
Candidate for Bachelor of Honours Computer Science   *2013–present*

Woburn Collegiate Institute   **Toronto**
Ontario Secondary School Diploma (OSSD), Ontario Scholar   *2009–2013*

Relevant Assignments

Weight Lifting Exercise Prediction: Used R to analyse and generate a classification model using machine learning.

Particle Engine: Programmed a modular engine in Javascript to simulate particle systems.

Languages

Mandarin Chinese: Native

English: Fluent   *ELPE Proficiency in English, University of Waterloo, 2013*

French: Advanced   *Level 5 (highest) French, Université de Moncton, 2012*

Interests

Waterloo Aerial Robotics: Image recognition / Post-processing team

Piano: Certified Royal Conservatory of Music (RCM) Grade 10