

Elisha Lai

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SKILLS

- Programming Languages: C, C++, Racket, Python, Java, Ruby, PHP, HTML, CSS, JavaScript
- Frameworks and Tools: X11 and Ncurses graphics library, Swing GUI toolkit, Flask, SQL, Git, Bash, Linux

WORK EXPERIENCE

Mon Sheong Foundation

July – September 2015

Website Content Assistant

Toronto, Ontario, Canada

- Provided support to the Communications and Marketing team
- Developed a fundraising website, an event website and a scholarship website with another web developer in HTML, CSS, PHP, WordPress and MySQL
- Uploaded website contents while ensuring that SEO principles are followed and page load times are optimized
- Performed functionality, usability, interface, compatibility, and performance tests on the websites developed
- Reported over 15 bugs and suggested over 5 UI enhancements using Debugle

PROJECTS

Passive Design Assistant Software

May 2015 – Present

Flask, PostgreSQL, C#

- Developing a Windows desktop application that assists architects and civil engineers in designing sustainable buildings using the principles of non-mechanical thermal design
- Working with a group of students from both the University College London in the UK and the University of Waterloo in Canada

Electoral System Visualization

November 2015

HTML, CSS, jQuery, Underscore

- Implemented an interactive interface to allow user input and to display the results of simulating elections under four different electoral systems

Joules

May 2015 – July 2015

Ruby

- Developed an open-source library (gem) which provides simple Physics formulas in kinematics, forces, thermodynamics, waves, and many other areas of Physics
- Downloaded 4938 times on the RubyGems.org website

EDUCATION

University of Waterloo

September 2013 – June 2017 (Expected)

Bachelor of Computer Science, Honours

Waterloo, Ontario, Canada

- Relevant Coursework: Object-Oriented Software Development, Data Structures & Data Management, Computer Organization & Design, User Interfaces, Introduction to Database Management

AWARDS & SCHOLARSHIPS

St. Jerome's Merit Scholarship

September 2013

- Awarded for attaining an admission average of 85-89.9% for entry into the Honours Computer Science program

Euclid Mathematics Contest School Champion

May 2013