

Ivy Zhou

Software Engineering

GitHub: [ivy-zhou](https://github.com/ivy-zhou)

LinkedIn: [zhouivy](https://www.linkedin.com/in/zhouivy)

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Technical Skills

Proficient in: Java, JavaScript (+ jQuery library), HTML/CSS, LESS, C

Familiar with: Python, Arduino, C++

Tools: GitHub, Grunt, Adobe Illustrator, Adobe Photoshop, AutoCAD, Google SketchUp

Projects | [GitHub](https://github.com/ivy-zhou)

[ivy-zhou.github.io](https://github.com/ivy-zhou)

(December 2015)

- > Self-studied HTML, LESS, and JavaScript by building a responsive personal website from the HTML5 boilerplate

Orb It!

<https://git.io/vzcHA>

(December 2015)

- > Developed a clone of Bop It! as a part of a team using the Tiva C Launchpad and the Orbit Booster Pack in C
- > Finished project supported sound effects and high score storage

Zaplug!!!

(December 2015)

- > Built a demo level of a 2D platformer using HTML, CSS, and JavaScript, drew pixel art graphics for the game using Adobe Illustrator

WP "Glasses" theme

(August 2015)

- > Self-studied PHP, HTML, CSS, and the basics of MySQL while building a custom WordPress theme from scratch

Worm Astronauts

(June 2015)

- > Launched worms in a high altitude balloon as a scientific experiment
- > Self-studied Python to write a script for GPS tracking and taking photos

Scrabble Clone

(December 2013)

- > Developed a Scrabble applet in Java with 3 other team members
- > Implemented easy and hard AI players

Activities

ESQ Girls Club Volunteer

University of Waterloo

(September 2015 - present)

- > Selected as a volunteer at the Technology and Coding club of the Engineering Science Quest program
- > Taught girls how to program a game using the Arduino Gamer Kit

Other activities: Computer Science Club Executive, Engineering Society TSN Directorship Mentee

Awards

ECOO Semi-finalist

Educational Computing

Organization of Ontario

(2013, 2014)

- > Represented high school and school board at the ECOO Programming Contest
- > Placed as top girls team, built teamwork and coding skills by solving problems using pair programming

Other awards: President's Scholarship, English Award, National AP Scholar Award

Education

(2015 – present) Candidate for Bachelor of Software Engineering, University of Waterloo (GPA: 85%)

(2011 – 2015) Ontario Secondary School Diploma (OSSD) Honours, Richmond Hill High School