

Ellen Sun

Software Engineering student at the University of Waterloo

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TECHNOLOGIES

C
C++
Java
HTML
CSS/SASS
JavaScript
Arduino
BS2 Microcontroller

SOFT SKILLS

Communication
Initiative
Time management
Fast learner

EDUCATION

2023 Candidate for
Bachelor of Software
Engineering
University of Waterloo
Awarded President's
Scholarship of
Distinction

HOBBIES AND INTERESTS

Digital art
Playing instruments
Working out

PROJECTS

PERSONAL PORTFOLIO

ELLENIMPI.GITHUB.IO/MY_PORTFOLIO

HTML, CSS/SASS, JAVASCRIPT

- Made with a responsive mobile-friendly design and CSS/JS animations
- Created custom background with digital drawing
- A work in progress that will feature blog entries in the future

THE ARTKIT EXPERIENCE

HTML, CSS, JAVASCRIPT, FIREBASE, PHP

- Hackathon project for inspiring creativity and love for art
- Learned PHP during development period
- Used Firebase to store drawings to implement on website
- Practiced communication by working in a group and pitching project to judges

DANCE DANCE REVOLUTION

C#, UNITY, ARDUINO

- A dancing rhythm game that tests speed and coordination
- Constructed wooden dance board and connected wires with power source and Arduino
- Calculated accuracy of steps and points awarded using an Arduino Leonardo set up through Bluetooth

WHITEBOARD ERASER BOT

BASIC STAMP2 MICROCONTROLLER, SENSORS AND MOTORS

- Remote-controlled whiteboard eraser robot made using BS2
- Utilized sensors under robot to detect location of whiteboard markings
- Implemented object avoidance and automatic stop/steer

WORK EXPERIENCE

SELF-EMPLOYED TUTOR JUNE 2015 – AUGUST 2018

- Tutored ESL students in reading and writing, and tutored students grades 5-11 at the local library
- Practiced explaining concepts and showed initiative and desire to help

RESTAURANT BUSER AT AUGUST 8 BUFFET JUNE 2017 – SEPT 2017

- Performed duties efficiently in a high-paced environment, serving approximately 15 tables per hour
- Delivered food, cleaned dishes, and prepared simple meals

COUNTER STAFF MEMBER AT TIM HORTONS JUNE 2016 – SEPT 2016

- Developed strong communication skills and the ability to think on the spot
- Took orders from customers and operated machines