

# Cray Xu

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## HIGHLIGHTS

- More than 8 months of working experience in Web Development, especially in Front-End Development
- Algorithms and Data Structures

## SKILLS

### LANGUAGES

Advanced: C/C++, HTML, CSS  
Intermediate: JavaScript, Racket  
Fundamental: Python, LaTeX

### FRAMEWORKS

Angular • SAPUI5  
jQuery • Bootstrap  
Phaser • Firebase SDK

### TOOLS

Vim • Bash  
Github • Git • Visual Studio Code  
MS Office • iWork  
Photoshop • FL Studio 12

## EDUCATION

### UNIVERSITY OF WATERLOO

#### Bachelor of Computer Science

- Transferred to CS after 2A
- 2019.9 - Present | Waterloo, ON

#### Bachelor of Mathematics

- Transferred to Math after 1B
- 2019.1 - 2019.8 | Waterloo, ON

#### Bachelor of Computer Engineering

2017.9 - 2018.12 | Waterloo, ON

## INTERESTS

🎧 Music 🎹 Piano 🎵 Arrangement  
🖋 Pen Spinning 🧩 Rubik's Cube  
🏸 Badminton 🏓 Table Tennis

## ACTIVITIES

- [Google Games Waterloo](#) | April 2018
- Rank: 14/20

## AWARDS

- President's Entrance Scholarship  
University of Waterloo | 2017

## EXPERIENCE

### THE HOME DEPOT CANADA | IT DEVELOPER

Sep 2018 – Dec 2018 | Toronto, ON

- Worked in a Agile IT team to develop mobile and web applications for better store management
- Built the front-end part of a mobile application and implemented different functionalities based on SAPUI5 framework using SAP WEB IDE
- Designed the UI layouts and built the front-end of a single-page web application using Angular 2

Impact: Facilitated the development of two projects of the IT team and turned lots of creative front-end ideas into reality

### SHELEADS | GAME DEVELOPER

Mar 2018 – Apr 2018 | Waterloo, ON

- Designed a HTML5 game for girls aged 6-18 to encourage their leadership and implemented different features using JavaScript based on Phaser framework
- Connected Firebase database with the game to keep track of all responses of players
- Created a authentication page based on Firebase API by using HTML, CSS, JavaScript

Impact: Finished two small projects for a very beginning startup and accelerated the growth of the startup

### WANTBOARD | WEB DEVELOPER

Jan 2018 – Feb 2018 | Kitchener, ON

- Implemented Node.js to extract information on Amazon automatically by operating the Linux server on DigitalOcean
- Input information of products into the spreadsheet by using Google Scripts and ranked them based their sales rates
- Created and managed product pages on Shopify
- Monitored websites by using Mouseflow and provided UX/UI designs

Impact: Achieved about 5% more pageviews and 2% more orders after modifying the layout of websites and adding more product pages

## PROJECTS

### PERSONAL WEBSITE

🏠 [crayxu.com](http://crayxu.com) | HTML, CSS, JavaScript, Bootstrap, jQuery

- A personal website designed by myself based on the Bootstrap framework to introduce my skills and experience

### FLAPPY BIRD

🎮 [crayxu.com/flappy-bird](https://crayxu.com/flappy-bird) | HTML, JavaScript, Phaser

- A simplified Flappy Bird in HTML5 built with Phaser framework

### BREAKOUT

🎮 [crayxu.com/breakout](https://crayxu.com/breakout) | HTML, JavaScript, Phaser

- A simple 2D breakout game in HTML5 built with Phaser framework