

# Cray Xu

🏠 [crayxu.com](http://crayxu.com) | 🌐 [crayxu](https://crayxu.com) | in [zhenchaoxu](https://github.com/zhenchaoxu) | ✉ [zhenchao.xu@uwaterloo.ca](mailto:zhenchao.xu@uwaterloo.ca)

## HIGHLIGHTS

- More than 3 months of working experience in Web Development
- Algorithms and Data Structures

## SKILLS

### LANGUAGES

Advanced: C/C++, HTML, CSS

Intermediate: JavaScript, Node.js

Fundamental: Python, Java, LaTeX

### FRAMEWORKS

jQuery • Bootstrap,

Phaser • Firebase SDK

### TOOLS

Linux • macOS • Windows

Github • Git • Vim

MS Office • iWork • Photoshop

FL Studio 12

## QUALIFICATIONS

- Excellent self-leader and quick-learner with exceptional attention to detail
- Outstanding team-player with effectively communication skills
- Consistently seeking and learning new technologies

## EDUCATION

### UNIVERSITY OF WATERLOO

B.AS in Computer Engineering

2017 - Present | Waterloo, ON

- Cum. GPA: 86/100

## INTERESTS

🧠 Artificial Intelligence

🎵 Music

🎹 Piano

🎧 Arrangement

✍️ Pen Spinning

🎲 Rubik's Cube

🏸 Badminton

🏓 Table Tennis

## AWARDS

- President's Entrance Scholarship  
University of Waterloo | 2017

## EXPERIENCE

### SHELEADS | GAME DEVELOPER

Mar 2018 – Apr 2018 | Waterloo, ON

- Designed a HTML5 game for girls aged 6-18 to encourage their leadership; 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

Feb 2018 – Mar 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 WEBSITES | HTML/CSS/JavaScript/Hexo/Github

🏠 [crayxu.com](http://crayxu.com)

- A personal website based on the template of [html5up.net](http://html5up.net) and aims to introduce my skills and experience
- Used jQuery, Bootstrap and other open-source to make my website dynamic and appealing

🌐 [crayxu.com/blog](https://crayxu.com/blog)

- A personal blog built with Hexo blog framework and deployed on Github and aims to introduce my learning experience and my life
- Researched a large number of documents about Hexo and Next theme to implement various kinds of effects on my blog

📖 [crayxu.com/coursework](https://crayxu.com/coursework)

- A coursework description website based on the template of [html5up.net](http://html5up.net) and aims to describe all my courses I have learnt at University of Waterloo

### SELF-TAUGHT CS136 | C

🌐 [github.com/crayxu/cs136](https://github.com/crayxu/cs136)

- Topics: memory management, efficiency analysis, algorithm designs, abstract data types

## ACTIVITIES

- [Google Games Waterloo](#) | April 2018

Rank: 14/20

- [Google Cloud OnBoard](#) | Mar 2018

Basic introduction and information about Google Cloud Platform