Cray Xu

1B Computer Engineering

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EDUCATION

UNIVERSITY OF WATERLOO
B.AS in Computer Engineering
Expected May 2020 | Waterloo, ON
Cum. GPA: 86/100

COURSEWORK
📖 crayxu.com/coursework

SKILLS

LANGUAGES
Advanced:
C/C++ • HTML • CSS
Intermediate:
JavaScript • Node.js • Java
Fundamental:
Python • Markdown • LaTex

FRAMEWORKS
jQuery · Bootstrap,
Phaser · Firebase SDK

TOOLS
Github · Git · cPanel
Atom · Eclipse · Xcode
WebStorm · Brackets
MS Office · iWork · Photoshop

QUALIFICATIONS

• Excellent Self-Leader and
Quick-Learner with Strong Attention
to Detail
• Exceptional Critical Thinking and
Problem-Solving Skills
• Outstanding and Motivated
Team-Player
• Consistently Seeking and Learning
New Technology

INTERESTS

♪ Music
🎹 Piano ◟
space.bilibili.com/12697069
◉ Arrangement ◟
soundcloud.com/zhenchao-xu
🖊 Pen Spinning
🧩 Rubik's Cube
🏸 Badminton
🏓 Table Tennis

EXPERIENCE

SHELEADS | Game Developer - Startup, 2017
Mar 2018 – Apr 2018 | Waterloo, ON
- Designed a **HTML5** game for girls aged 6-18 to encourage their leadership
- Implemented different features for this game using **JavaScript** based on **Phaser** framework
- Hosted the game on **cPanel** and Connected **Firebase** database with the game using **Firebase API**

WANTBOARD | Web Developer - Startup, 2015
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**
- Created and Managed product pages on **Shopify**

EQUI-APP | Market Researcher - Startup, 2017
Jan 2018 – Feb 2018 | Waterloo, ON
- **Competitive Research:** Produced a research document showing information, comparisons and ranking of given apps
- **Product Design:** Provided suggestions and feedbacks about App and Website of Equi-App; Sketched logos for Equi-App
- **App Test:** Tested different Voice-To-Text Apps on **Windows, macOS, Android, iOS** operating system

PROJECTS

LEETCODE ALGORITHM PRACTICE | C/C++
⬡ github.com/crayxu/leetcode
- Practice LeetCode Algorithm Problems with **C/C++** Language
- Try best to implement different data structures such as **linked list, stack, queue, tree, hash table** instead of using library functions to improve my algorithm skill.

PERSONAL WEBSITE | HTML/CSS/JAVASCRIPT
🏠 crayxu.com
- Built personal website with **HTML, CSS** and **JavaScript** to introduce my skills and experience
- Used **jQuery, Bootstrap** and other open-source to make my website dynamic and appealing

SELF-TAUGHT CS136 | C
⬡ github.com/crayxu/cs136
- Taught myself **CS136**-Elementary Algorithm Design and Data Abstraction based on **C** Language

AWARDS

2017   President's Entrance Scholarship   University of Waterloo